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1.2.1 NUMBER OF ADD ON / CERTIFICATES / VALUE ADDED PROGRAM OFFERED DURING THE LAST FIVE YEARS.

ACADEMIC YEAR 2022-2023

Total Number of Courses: 09

S.No	Name of ADD ON / Certificates Programs offered	Course code (If any)	Duration of Course (Hrs)	No of Students Enrolled in the Year
1	PHARMACEUTICAL PATENTS AND INTELLECTUAL PROPERTY STRATEGIES	PPI2201	33	65
2	PHARMACY INFORMATICS: TECHNOLOGY ENHANCED PRACTICE	PIN2202	30	70
3	CHANGE CONTROL IN PHARMACEUTICAL MANUFACTURING PROCESS	CCM2203	31	85
4	SEWAGE DISPOSAL MANAGEMENT IN HOSPITALS AND INDUSTRIES	SDM2204	31	70
5	EVALUATION OF ECONOMIC VALUE OF DRUG THERAPY	EED2205	32	10
6	DOSAGE INDIVIDUALIZATION: INTEGRATION OF PHARMACOMETRICS IN CLINICAL PRACTICE	DID2206	32	7
7	PHARMACEUTICAL METABOLITES	PCP2207	31	14
8	PRECAUTIONS AND CONTROL OF PANDEMIC DISEASES	PMS2208	31	23
9	TIME MANAGEMENT TRICKS USING IQ BASED TECHNIQUES.	TMT2209	30	16

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ADD-ON COURSE - SYLLABUS

Course Code : PPI2201

Course Name : PHARMACEUTICAL PATENTS AND INTELLECTUAL PROPERTY STRATEGIES

Date : 11.06.2022 to 30.07.2022 (All Saturday)

Course & Year : B. Pharm Final Year

Course Objective : Indian Patent Act 1970 are to protect and safeguard intellectual products and to encourage the creation of a wide variety of intellectual goods for consumers.

S. No	Topic	Hours
1	**Module-I:** Intellectual Property Rights Introduction, Patent Protection of Drugs, Progressive Economic Growth, Consumer Protection, Safeguard against potential infringement, The Indian Pharmaceutical Industry's Future	8
2	**Module-II:** The Patent Act's and its objectives, Pharmaceutical patent types in India, Awarding of a patent to the inventor, Transfer of patent rights, Patent assignment, Patent Licensees, Important case laws, Priority date and its application format, Common pharmaceutical patent extensions, Common questions about patents and publishing	10
3	**Module-III:** Intellectual Property, Terms of Patent Ownership, Patent Infringement	7
4	**Module-IV:** Patent Infringement, Trademark, Pharmaceutical business and its types	8

Course Outcome:

After the successful completion of this course, the student shall be able to

- They play a pivotal role in shaping the pharmaceutical industry, influencing access to medications, and impacting healthcare systems and patients' lives. Balancing the need for innovation and affordability remains a central challenge in this domain.
- Pharmaceutical patents and intellectual property strategies have multifaceted outcomes that extend beyond the interests of pharmaceutical companies alone.

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ADD-ON COURSE NAME: PHARMACEUTICAL PATENTS AND INTELLECTUAL PROPERTY STRATEGIES

Course Code: PPI2201

RESOURCE PERSON



Name	: DR. P. AMSA
Qualification	: M.Pharm., Ph.D.,
Designation	: Professor
Department	: Pharmaceutics
Organization	: Nandha College of Pharmacy, Erode, Tamilnadu.
Area of Specialization	: Pharmaceutical Formulation, Nanotechnology, Novel Drug Delivery System, Cosmetic Science.
Phone number	: +91 93443 81689
Mail-ID	: sushmiatn@gmail.com
Experience	: 14 Year 08 Months

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ADD-ON COURSE NAME: PHARMACEUTICAL PATENTS AND INTELLECTUAL PROPERTY STRATEGIES

Course Code: PPI2201

RESOURCE PERSON



Name	: DR. S. SELVARAJ
Qualification	: M.Pharm., Ph.D.,
Designation	: Professor
Department	: Pharmaceutics
Organization	: JKK Munirajah Institute of Health Sciences College of Pharmacy, Erode, Tamilnadu.
Area of Specialization	: Physical Pharmaceutics, Pharmaceutical Formulation, Pharmaceutical Engineering, Nanotechnology, Novel Drug Delivery System, Biopharmaceutics, Cosmetic Science. Computer Aided Drug Delivery System
Phone number	: +91 99947 56130
Mail-ID	: selvaraj@jkkmihscp.org
Experience	: 12 Years 03 Months

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ADD-ON COURSE - SCHEDULE

Course Code : PPI2201

Course Name : PHARMACEUTICAL PATENTS AND INTELLECTUAL PROPERTY STRATEGIES

Date : 11.06.2022 to 30.07.2022 (All Saturday)

Course & Year : B. Pharm Final Year

Objective: To recognize the importance of IP and to educate

S. No	Topic	Hours
1	Module- I: Intellectual Property Rights Introduction, Patent Protection of Drugs, Progressive Economic Growth, Consumer Protection, Safeguard against potential infringement, The Indian Pharmaceutical Industry's Future	11.06.2022 DR. P. Amsa & DR. S. Selvaraj
2	Module-II: The Patent Act's and its objectives, Pharmaceutical patent types in India, Awarding of a patent to the inventor, Transfer of patent rights,	25.06.2022 DR. P. Amsa & DR. S. Selvaraj
3	Patent assignment, Patent Licensees, Important case laws, Priority date and its application format, Common pharmaceutical patent extensions, Common questions about patents and publishing	09.07.2022 DR. P. Amsa & DR. S. Selvaraj
4	Module-III: Intellectual Property, Terms of Patent Ownership, Patent Infringement	23.07.2022 DR. P. Amsa & DR. S. Selvaraj
5	Module-IV: Patent Infringement, Trademark, Pharmaceutical business and its types	30.07.2022 DR. P. Amsa & DR. S. Selvaraj

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PHARMACEUTICAL PATENTS AND INTELLECTUAL PROPERTY STRATEGIES

(PPI2201)

Name of Student: Dinesh .T
Course & Year: B. Pharm Final Year
Registration No: 5619940 20
Semester:
Date: 30/07/2022
Marks Secured: 30/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. **What is the primary purpose of obtaining a pharmaceutical patent?**
   a. To promote generic drug competition
   (b) To protect the investment in research and development
   c. To limit access to essential medicines
   d. To encourage international drug donations

2. **Which type of intellectual property protection grants exclusive rights to the inventor for a limited period, typically 20 years?**
   a. Copyright
   b. Trademark
   c. Trade secret
   (d) Patent

3. **Which international agreement sets minimum standards for the protection of intellectual property, including pharmaceutical patents?**
   a. Paris Convention for the Protection of Industrial Property
   b. Kyoto Protocol
   (c) TRIPS Agreement
   d. Vienna Convention on the Law of Treaties

4. **What is the term for the period during which a pharmaceutical patent holder has the exclusive right to make, use, and sell the patented invention?**
   a. Lifetime
   b. Indefinite
   (c) Patent term
   d. Monopoly period

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5. **What strategy is employed by some pharmaceutical companies to extend the exclusivity of a drug beyond the initial patent term?**
   a. Patent trolling
   b. Generic substitution
   c. Ever greening
   d. Parallel importing
6. **Which of the following is NOT a way that a pharmaceutical company can protect its intellectual property?**
   a. Filing for multiple patents on different aspects of a drug
   b. Entering into licensing agreements with competitors
   c. Seeking regulatory exclusivity through FDA approvals
   d. Publishing all research findings in the public domain
7. **What is the purpose of a "patent cliff" in the pharmaceutical industry?**
   a. To promote innovation and competition
   b. To extend the patent term of a drug
   c. To mark the end of a drug's exclusivity, leading to generic competition
   d. To facilitate international patent harmonization
8. **Which entity grants and manages patents for inventions in the United States?**
   a. World Trade Organization (WTO)
   b. United States Patent and Trademark Office (USPTO)
   c. European Patent Office (EPO)
   d. International Trade Commission (ITC)
9. **What is the primary objective of intellectual property strategies in the pharmaceutical industry?**
   a. To increase drug prices
   b. To hinder global access to medicines
   c. To protect and incentivize innovation
   d. To promote counterfeiting
10. **Which of the following is a form of intellectual property protection that does not require registration and relies on keeping information confidential?**
    a. Trademark
    b. Patent
    c. Copyright
    d. Trade secret

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PHARMACEUTICAL PATENTS AND INTELLECTUAL PROPERTY STRATEGIES

(PPI2201)

Name of Student: M. KOKILA **Course & Year:** B. Pharm Final Year

Registration No: 561994047 **Semester:**

Date: 30.7.2022 **Marks Secured:** 27/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. **What is the primary purpose of obtaining a pharmaceutical patent?**
   a. To promote generic drug competition
   b. ✓ To protect the investment in research and development
   c. To limit access to essential medicines
   d. To encourage international drug donations
2. **Which type of intellectual property protection grants exclusive rights to the inventor for a limited period, typically 20 years?**
   a. Copyright
   b. Trademark
   c. Trade secret
   d. ✓ Patent
3. **Which international agreement sets minimum standards for the protection of intellectual property, including pharmaceutical patents?**
   a. Paris Convention for the Protection of Industrial Property
   b. Kyoto Protocol
   c. ✓ TRIPS Agreement
   d. Vienna Convention on the Law of Treaties
4. **What is the term for the period during which a pharmaceutical patent holder has the exclusive right to make, use, and sell the patented invention?**
   a. Lifetime
   b. Indefinite
   c. ✓ Patent term
   d. Monopoly period

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5. **What strategy is employed by some pharmaceutical companies to extend the exclusivity of a drug beyond the initial patent term?**
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   c. Ever greening
   d. Parallel importing
6. **Which of the following is NOT a way that a pharmaceutical company can protect its intellectual property?**
   a. Filing for multiple patents on different aspects of a drug
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   c. To protect and incentivize innovation
   d. To promote counterfeiting
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    b. Patent
    c. Copyright
    d. Trade secret

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PHARMACEUTICAL PATENTS AND INTELLECTUAL PROPERTY STRATEGIES

(PPI2201)

Name of Student: Anjali. J **Course & Year:** B.Pharm Final year

Registration No: 5619944003 **Semester:**

Date: 30.7.2022 **Marks Secured:** 30/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. **What is the primary purpose of obtaining a pharmaceutical patent?**
   a. To promote generic drug competition
   (b) To protect the investment in research and development
   c. To limit access to essential medicines
   d. To encourage international drug donations
2. **Which type of intellectual property protection grants exclusive rights to the inventor for a limited period, typically 20 years?**
   a. Copyright
   b. Trademark
   c. Trade secret
   (d) Patent
3. **Which international agreement sets minimum standards for the protection of intellectual property, including pharmaceutical patents?**
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   b. Kyoto Protocol
   (c) TRIPS Agreement
   d. Vienna Convention on the Law of Treaties
4. **What is the term for the period during which a pharmaceutical patent holder has the exclusive right to make, use, and sell the patented invention?**
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   (b) Indefinite
   c. Patent term
   d. Monopoly period

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5. **What strategy is employed by some pharmaceutical companies to extend the exclusivity of a drug beyond the initial patent term?**
   a. Patent trolling
   b. Generic substitution
   c. Ever greening
   d. Parallel importing

6. **Which of the following is NOT a way that a pharmaceutical company can protect its intellectual property?**
   a. Filing for multiple patents on different aspects of a drug
   b. Entering into licensing agreements with competitors
   c. Seeking regulatory exclusivity through FDA approvals
   d. Publishing all research findings in the public domain

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   a. To promote innovation and competition
   b. To extend the patent term of a drug
   c. To mark the end of a drug's exclusivity, leading to generic competition
   d. To facilitate international patent harmonization

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   b. United States Patent and Trademark Office (USPTO)
   c. European Patent Office (EPO)
   d. International Trade Commission (ITC)

9. **What is the primary objective of intellectual property strategies in the pharmaceutical industry?**
   a. To increase drug prices
   b. To hinder global access to medicines
   c. To protect and incentivize innovation
   d. To promote counterfeiting

10. **Which of the following is a form of intellectual property protection that does not require registration and relies on keeping information confidential?**
    a. Trademark
    b. Patent
    c. Copyright
    d. Trade secret

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PHARMACEUTICAL PATENTS AND INTELLECTUAL PROPERTY STRATEGIES

(PPI2201)

Name of Student: NARMATHA K.K
Course & Year: B. Pharm Final year
Registration No: 561994055
Semester:
Date: 30. 07. 2022
Marks Secured: 24/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. **What is the primary purpose of obtaining a pharmaceutical patent?**
   a. To promote generic drug competition
   b. To protect the investment in research and development ✓
   c. To limit access to essential medicines
   d. To encourage international drug donations
2. **Which type of intellectual property protection grants exclusive rights to the inventor for a limited period, typically 20 years?**
   a. Copyright
   b. Trademark
   c. Trade secret
   d. Patent ✓
3. **Which international agreement sets minimum standards for the protection of intellectual property, including pharmaceutical patents?**
   a. Paris Convention for the Protection of Industrial Property
   b. Kyoto Protocol
   c. TRIPS Agreement ✓
   d. Vienna Convention on the Law of Treaties
4. **What is the term for the period during which a pharmaceutical patent holder has the exclusive right to make, use, and sell the patented invention?**
   a. Lifetime
   b. Indefinite ✗
   c. Patent term
   d. Monopoly period

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5. **What strategy is employed by some pharmaceutical companies to extend the exclusivity of a drug beyond the initial patent term?**
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   b. Generic substitution
   c. Ever greening
   d. Parallel importing

6. **Which of the following is NOT a way that a pharmaceutical company can protect its intellectual property?**
   a. Filing for multiple patents on different aspects of a drug
   b. Entering into licensing agreements with competitors
   c. Seeking regulatory exclusivity through FDA approvals
   d. Publishing all research findings in the public domain

7. **What is the purpose of a "patent cliff" in the pharmaceutical industry?**
   a. To promote innovation and competition
   b. To extend the patent term of a drug
   c. To mark the end of a drug's exclusivity, leading to generic competition
   d. To facilitate international patent harmonization

8. **Which entity grants and manages patents for inventions in the United States?**
   a. World Trade Organization (WTO)
   b. United States Patent and Trademark Office (USPTO)
   c. European Patent Office (EPO)
   d. International Trade Commission (ITC)

9. **What is the primary objective of intellectual property strategies in the pharmaceutical industry?**
   a. To increase drug prices
   b. To hinder global access to medicines
   c. To protect and incentivize innovation
   d. To promote counterfeiting

10. **Which of the following is a form of intellectual property protection that does not require registration and relies on keeping information confidential?**
    a. Trademark
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    c. Copyright
    d. Trade secret

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PHARMACY INFORMATICS: TECHNOLOGY ENHANCED PRACTICE (PIN2202)

Name of Student: GOPINATH P
Course & Year: B.Pharm Third year
Registration No: 560020516524
Semester:
Date: 24.09.2022
Marks Secured:

Answer All Multiple-Choice Questions (10 × 3 = 30)

27/30

1. **What is the primary goal of pharmacy informatics?**
   a. Enhancing patient counseling techniques
   b. Improving pharmaceutical research methodologies
   c. Integrating technology to improve pharmacy practice
   d. Increasing prescription medication costs
2. **Which of the following is a common application of pharmacy informatics?**
   a. Compounding medications manually
   b. Maintaining paper-based medication records
   c. Using electronic health records (EHR) for patient care
   d. Conducting clinical trials for new medications
3. **What role does "e-prescribing" play in pharmacy informatics?**
   a. It ensures proper medication compounding techniques.
   b. It allows patients to manually fill their prescriptions.
   c. It electronically transmits prescriptions from healthcare providers to pharmacies.
   d. It monitors adverse drug reactions in real-time.
4. **What does the term "interoperability" refer to in pharmacy informatics?**
   a. The ability of different software systems to exchange and use data
   b. The process of dispensing medications to patients
   c. The integration of traditional pharmacy practices with modern technology
   d. The analysis of medication utilization patterns
5. **The analysis of medication utilization patterns**
   a. By increasing the complexity of medication dispensing procedures
   b. By reducing the need for patient education
   c. By providing real-time alerts for potential drug interactions
   d. By decreasing the involvement of pharmacists in patient care

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6. **Which technology is commonly used in pharmacy informatics to automate medication dispensing?**
   a. Pneumatic tubes
   b. Fax machines
   c. Rotary phones
   d. Robotic dispensing systems
7. **What is the purpose of a Clinical Decision Support System (CDSS) in pharmacy informatics?**
   a. To automatically bill patients for their medications
   b. To provide entertainment to patients while they wait for prescriptions
   c. To assist healthcare professionals in making informed clinical decisions
   d. To track the location of medication shipments
8. **How does pharmacy informatics contribute to medication reconciliation during care transitions?**
   a. By increasing the use of handwritten medication lists
   b. By ensuring all healthcare providers have access to the same medication information
   c. By replacing medication reconciliation with manual phone calls to pharmacies
   d. By relying solely on patients to remember their medication history
9. **Which regulatory agency in the United States is involved in promoting the use of health information technology, including pharmacy informatics?**
   a. Food and Drug Administration (FDA)
   b. Drug Enforcement Administration (DEA)
   c. Centers for Disease Control and Prevention (CDC)
   d. Office of the National Coordinator for Health Information Technology (ONC)
10. **What is the role of pharmacy informatics in inventory management?**
    a. It eliminates the need for medication inventory altogether
    b. It allows pharmacists to manually count medications daily
    c. It assists in tracking medication usage, reordering, and preventing shortages
    d. It increases the risk of medication expiration

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ADD-ON COURSE: ANSWER KEY

Course Code : PPI2201

Course Name : PHARMACEUTICAL PATENTS AND INTELLECTUAL PROPERTY STRATEGIES

Date : 11.06.2022 to 30.07.2022 (All Saturday)

Course & Year : B. Pharm Final Year

ANSWER KEY

1. Answer: b. To protect the investment in research and development
2. Answer: d. Patent
3. Answer: c. TRIPS Agreement
4. Answer: c. Patent term
5. Answer: c. Ever greening
6. Answer: d. Publishing all research findings in the public domain
7. Answer: c. To mark the end of a drug's exclusivity, leading to generic competition
8. Answer: b. United States Patent and Trademark Office (USPTO)
9. Answer: c. To protect and incentivize innovation
10. Answer: d. Trade secret

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MARK STATEMENT

Course Code : PPI2201

Course Name : PHARMACEUTICAL PATENTS AND INTELLECTUAL PROPERTY STRATEGIES

Date : 11.06.2022 to 30.07.2022 (All Saturday)

Course & Year : B. Pharm Final Year

S.No	Student Name	Registration Number	Mark Secured
1	AFRITH AHAMED S	561994002	24
2	ANJALI J	561994003	30
3	ARISHRAM PRASATH B	561994005	27
4	ARUN G	561994006	24
5	ARUNA C	561994009	24
6	ASHOK M	561994010	21
7	BALASURYA M	561994011	24
8	BHARATH KUMAR S	561994012	24
9	BHUVANESHWARAN B	561994013	27
10	DEEPAK P	561994014	27
11	DEVA PREETHI J	561994015	24
12	DEVARAJ P	561994016	24
13	DHANESHEER AHAMED A	561994017	27
14	DINESH T	561994020	30
15	GEETHA RUBIKA S A	561994022	27
16	GIRISANKAR M	561994023	24
17	GODWIN MOSES M	561994024	24
18	GOKUL S	561994025	27
19	GOKUL KANNAN J	561994026	21
20	GOMATHI J	561994028	24
21	GOPI M	561994029	24
22	GOPINATH K	561994030	27
23	GOWTHAM R	561994031	24
24	GOWTHAMAN P	561994033	24
25	HARIPRASATH V	561994035	21

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S.No	Student Name	Registration Number	Mark Secured
26	INDRA T	561994036	24
27	JAMES JEBA BENNY G	561994037	21
28	JAYAPRAKASH P	561994038	24
29	JEEVANADHAM M	561994039	27
30	KAVIYA M	561994042	27
31	KAVIYARASAN K	561994043	27
32	KAVIYARASU G	561994044	24
33	KEERTIVASAN M	561994045	21
34	KIRUBHAKARAN P	561994046	27
35	KOKILA M	561994047	27
36	MANIVASAN P	561994048	24
37	MOHAMED RIZWAN S	561994051	21
38	MOHAN RAJ V	561994053	27
39	NARMATHA K K	561994055	24
40	NAVEENA V L	561994057	27
41	NITHISH KUMAR A	561994059	24
42	PRAVEEN KUMAR T	561994062	21
43	PRAVIN P	561994063	27
44	PRIYADHARSINI V	561994065	27
45	RAJADURAI T	561994066	24
46	REETA SILLVIA S	561994068	27
47	SAJMA BEGAM A	561994070	24
48	SAKTHIVEL P	561994071	30
49	SALMANKHAN S	561994072	21
50	SANJAITH S	561994074	24
51	SANJAY K	561994075	21
52	SANTHOSH P	561994076	24
53	SANTHOSHKUMAR P	561994077	27
54	SARAVANAN M	561994078	27
55	SATHEESH KUMAR R	561994079	24
56	SIVASAKTHI S	561994081	21
57	SONA R	561994082	21
58	SUBIKSHA A	561994085	27
59	TAMILSELVAN S	561994087	27
60	THIRUMALAINANDAA D	561994088	24

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S.No	Student Name	Registration Number	Mark Secured
61	VARSHA S	561994090	30
62	VIJAYARAGAVAN S	561994096	27
63	VISHNU P	561994097	24
64	YAMINI M	561994098	27
65	YUVANRAJ L	561994099	21

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ADD ON COURSE FEEDBACK FORM

Name of the student: Dhaneshees Ahamed Course & Year: B.Pharm, Final Year

Registration No: 56199 4017 Date:

Name of the Course: Pharmaceutical patents and Intellectual Property strategies

Evaluating the Following Questions

1. This Course was interesting

   (a.) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree (b.) Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree (c.) Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree (c.) Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   (a.) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree (b.) Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree (b.) Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   (a.) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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A. Dhanesh
Student Signature

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ADD ON COURSE FEEDBACK FORM

Name of the student: Anjali . J Course & Year: B.Pharm, Final year

Registration No: 561994003 Date: 30/07/2022

Name of the Course: Pharmaceutical Patents and Intellectual Property Strategies

Evaluating the Following Questions

1. This Course was interesting

   (a) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree (b) Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate (d) Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree (c) Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree (b) Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   (a) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree (b) Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree (b) Agree c. Moderate d. Disagree e. Strongly Disagree

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J. Anjali
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ADD ON COURSE FEEDBACK FORM

Name of the student: Yamini . M Course & Year: B.Pharm Final year

Registration No: 561991 4099 Date: 30/7/2022

Name of the Course: Pharmaceutical Patents and Intellectual Property strategies

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree (c) Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree (b) Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   (a.) Strongly Agree b. Agree c. Moderate d. Disagree (e.) Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree (c.) Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree (b.) Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   (a.) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree (b.) Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   (a.) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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M. Yamini
Student Signature

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ADD ON COURSE FEEDBACK FORM

Name of the student: Arun. G Course & Year: B.Pharm Final year

Registration No: 561994006 Date: 30.7.2022

Name of the Course: Pharmaceutical Patents and Intellectual Property Strategies

Evaluating the Following Questions

1. This Course was interesting

   (a) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree (b). Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   (a) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate (d). Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate (d) Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree (b) Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree (b) Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   (a) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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ADD ON COURSE FEEDBACK FORM

Name of the student: SONA.R

Course & Year: B.Pharm, Final year.

Registration No: 561994082

Date: 30.07.2022.

Name of the Course: Pharmaceutical Patents and Intellectual Property strategies

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree ~~b. Agree~~ c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   ~~a.~~ Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree ~~c.~~ Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree ~~b.~~ Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree ~~c.~~ Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree ~~b.~~ Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   ~~a.~~ Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree ~~b.~~ Agree c. Moderate d. Disagree e. Strongly Disagree

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ADD-ON COURSE - SYLLABUS

Course Code : PIN2202

Course Name : PHARMACY INFORMATICS: TECHNOLOGY ENHANCED PRACTICE

Date : 13.08.2022 to 24.09.2022 (All Saturday)

Course & Year : B. Pharm Third Year

Course Objective : The objective of the module on "Pharmacy Informatics: Technology Enhanced Practice" is to equip participants with a detailed understanding of how information technology transforms and enhances pharmacy practices. This includes Electronic Health Records (EHRs), Medication Management Systems, Clinical Decision Support, Barcoding, Telepharmacy, and other technological advancements.

S. No	Topic	Hours
1	**Module-I:** Introduction, Electronic Health Records (EHRs) and Electronic Medical Records (EMRs), Medication Management Systems, Clinical Decision Support, Barcoding and Medication Administration, Pharmacy Automation, Telepharmacy, Medication Safety and Surveillance, Data Analytics and Reporting, Interoperability and Integration, Regulatory Compliance, Education and Training	8
2	**Module-II:** Hospital Information Systems, computerized provider order entry (CPOE), bar code medication administration (BCMA), automated dispensing systems (ADS), billing systems (BS), and electronic health records (EHR).	8
3	**Module-III:** Outpatient Pharmacy Information Systems, Patient file, Prescriber file, Drug file, Insurance information file and billing interface, e-prescribing interface and Dispensing automation interface.	7
4	**Module-IV:** Pharmacy Automation, Inpatient Pharmacy Automation, Robots, Outpatient Pharmacy Automation	7

Course Outcome:

After the successful completion of this course, the student shall be able to

- The goal is to provide participants with the knowledge and skills needed to integrate and leverage these technologies effectively in pharmacy settings, ultimately enhancing the quality, safety, and efficiency of pharmaceutical car.

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ADD-ON COURSE NAME: PHARMACY INFORMATICS: TECHNOLOGY ENHANCED PRACTICE

Course Code: PIN2202

RESOURCE PERSON



Name	: Dr. I. BALAJI
Qualification	: Pharm.D.,
Designation	: Associate Professor
Department	: Pharmacy Practice
Organization	: Sri K.V. College of Pharmacy, Chickballapur, Karnataka.
Area of Specialization	: Medical Writing, Pharmacovigilance, Medical Coding, Medical Underwriting, Clinical Data Management, Clinical Research
Phone number	: +91 63749 74414
Mail-ID	: mvibalaji@gmail.com
Experience	: 05 Year 00 Months

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ADD-ON COURSE NAME: PHARMACY INFORMATICS: TECHNOLOGY ENHANCED PRACTICE

Course Code: PIN2202

RESOURCE PERSON



Name	: Dr. S. YOGAKRISHNAN
Qualification	: Pharm.D.,
Designation	: Assistant Professor
Department	: Pharmacy Practice
Organization	: JKK Munirajah Institute of Health Sciences College of Pharmacy, Erode, Tamilnadu.
Area of Specialization	: Pharmacotherapeutics, Pharmacovigilance, Hospital and Clinical Pharmacy, Medical Coding, Clinical Research.
Phone number	: +91 88383 32402
Mail-ID	: yogakrishnan@jkkmihscp.org
Experience	: 00 Years 05 Months

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ADD-ON COURSE - SCHEDULE

Course Code : PIN2202

Course Name : PHARMACY INFORMATICS: TECHNOLOGY ENHANCED PRACTICE

Date : 13.08.2022 to 24.09.2022 (All Saturday)

Course & Year : B. Pharm Third Year

S. No	Topic	Hours
1	Module-I: Introduction, Electronic Health Records (EHRs) and Electronic Medical Records (EMRs), Medication Management Systems, Clinical Decision Support, Barcoding and Medication Administration, Pharmacy Automation, Telepharmacy, Medication Safety and Surveillance, Data Analytics and Reporting, Interoperability and Integration, Regulatory Compliance, Education and Training	13.08.2022 Dr. I. Balaji & Dr. S. Yogakrishnan
2	Module-II: Hospital Information Systems, computerized provider order entry (CPOE), bar code medication administration (BCMA), automated dispensing systems (ADS), billing systems (BS), and electronic health records (EHR)	27.08.2022 Dr. I. Balaji & Dr. S. Yogakrishnan
3	Module-III: Outpatient Pharmacy Information Systems, Patient file, Prescriber file, Drug file	10.09.2022 Dr. I. Balaji & Dr. S. Yogakrishnan
4	Insurance information file and billing interface, e-prescribing interface and Dispensing automation interface	17.09.2022 Dr. I. Balaji & Dr. S. Yogakrishnan
5	Module-IV: Pharmacy Automation, Inpatient Pharmacy Automation, Robots, Outpatient Pharmacy Automation	24.09.2022 Dr. I. Balaji & Dr. S. Yogakrishnan

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PHARMACY INFORMATICS: TECHNOLOGY ENHANCED PRACTICE (PIN2202)

Name of Student: ARAVINDHAN.S **Course & Year:** B.Pharm third year.

Registration No: 560020516509 **Semester:**

Date: 24.09.2022. **Marks Secured:**

Answer All Multiple-Choice Questions (10 × 3 = 30)

24/30

1. **What is the primary goal of pharmacy informatics?**
   a. Enhancing patient counseling techniques
   b. Improving pharmaceutical research methodologies
   c. Integrating technology to improve pharmacy practice
   d. Increasing prescription medication costs

2. **Which of the following is a common application of pharmacy informatics?**
   a. Compounding medications manually
   b. Maintaining paper-based medication records
   c. Using electronic health records (EHR) for patient care
   d. Conducting clinical trials for new medications

3. **What role does "e-prescribing" play in pharmacy informatics?**
   a. It ensures proper medication compounding techniques.
   b. It allows patients to manually fill their prescriptions.
   c. It electronically transmits prescriptions from healthcare providers to pharmacies.
   d. It monitors adverse drug reactions in real-time.

4. **What does the term "interoperability" refer to in pharmacy informatics?**
   a. The ability of different software systems to exchange and use data
   b. The process of dispensing medications to patients
   c. The integration of traditional pharmacy practices with modern technology
   d. The analysis of medication utilization patterns

5. **The analysis of medication utilization patterns**
   a. By increasing the complexity of medication dispensing procedures
   b. By reducing the need for patient education
   c. By providing real-time alerts for potential drug interactions
   d. By decreasing the involvement of pharmacists in patient care

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6. **Which technology is commonly used in pharmacy informatics to automate medication dispensing?**
   a. Pneumatic tubes
   b. Fax machines
   c. Rotary phones
   d. Robotic dispensing systems
7. **What is the purpose of a Clinical Decision Support System (CDSS) in pharmacy informatics?**
   a. To automatically bill patients for their medications
   b. To provide entertainment to patients while they wait for prescriptions
   c. To assist healthcare professionals in making informed clinical decisions
   d. To track the location of medication shipments
8. **How does pharmacy informatics contribute to medication reconciliation during care transitions?**
   a. By increasing the use of handwritten medication lists
   b. By ensuring all healthcare providers have access to the same medication information
   c. By replacing medication reconciliation with manual phone calls to pharmacies
   d. By relying solely on patients to remember their medication history
9. **Which regulatory agency in the United States is involved in promoting the use of health information technology, including pharmacy informatics?**
   a. Food and Drug Administration (FDA)
   b. Drug Enforcement Administration (DEA)
   c. Centers for Disease Control and Prevention (CDC)
   d. Office of the National Coordinator for Health Information Technology (ONC)
10. **What is the role of pharmacy informatics in inventory management?**
    a. It eliminates the need for medication inventory altogether
    b. It allows pharmacists to manually count medications daily
    c. It assists in tracking medication usage, reordering, and preventing shortages
    d. It increases the risk of medication expiration

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PHARMACY INFORMATICS: TECHNOLOGY ENHANCED PRACTICE (PIN2202)

Name of Student: Ranjith Kumaar. R **Course & Year:** B pharm 3rd Year

Registration No: 560020516557 **Semester:**

Date: 24.09.2022 **Marks Secured:**

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. **What is the primary goal of pharmacy informatics?**
   a. Enhancing patient counseling techniques
   b. Improving pharmaceutical research methodologies
   c. ✓ Integrating technology to improve pharmacy practice
   d. Increasing prescription medication costs

21/30

2. **Which of the following is a common application of pharmacy informatics?**
   a. Compounding medications manually
   b. Maintaining paper-based medication records
   c. ✓ Using electronic health records (EHR) for patient care
   d. Conducting clinical trials for new medications

3. **What role does "e-prescribing" play in pharmacy informatics?**
   a. It ensures proper medication compounding techniques.
   b. It allows patients to manually fill their prescriptions.
   c. ✓ It electronically transmits prescriptions from healthcare providers to pharmacies.
   d. It monitors adverse drug reactions in real-time.

4. **What does the term "interoperability" refer to in pharmacy informatics?**
   a. ✓ The ability of different software systems to exchange and use data
   b. The process of dispensing medications to patients
   c. The integration of traditional pharmacy practices with modern technology
   d. The analysis of medication utilization patterns

5. **The analysis of medication utilization patterns**
   a. By increasing the complexity of medication dispensing procedures
   b. By reducing the need for patient education
   c. ✓ By providing real-time alerts for potential drug interactions
   d. By decreasing the involvement of pharmacists in patient care

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6. **Which technology is commonly used in pharmacy informatics to automate medication dispensing?**
   a. Pneumatic tubes
   b. Fax machines
   c. Rotary phones
   d. Robotic dispensing systems
7. **What is the purpose of a Clinical Decision Support System (CDSS) in pharmacy informatics?**
   a. To automatically bill patients for their medications
   b. To provide entertainment to patients while they wait for prescriptions
   c. To assist healthcare professionals in making informed clinical decisions
   d. To track the location of medication shipments
8. **How does pharmacy informatics contribute to medication reconciliation during care transitions?**
   a. By increasing the use of handwritten medication lists
   b. By ensuring all healthcare providers have access to the same medication information
   c. By replacing medication reconciliation with manual phone calls to pharmacies
   d. By relying solely on patients to remember their medication history
9. **Which regulatory agency in the United States is involved in promoting the use of health information technology, including pharmacy informatics?**
   a. Food and Drug Administration (FDA)
   b. Drug Enforcement Administration (DEA)
   c. Centers for Disease Control and Prevention (CDC)
   d. Office of the National Coordinator for Health Information Technology (ONC)
10. **What is the role of pharmacy informatics in inventory management?**
    a. It eliminates the need for medication inventory altogether
    b. It allows pharmacists to manually count medications daily
    c. It assists in tracking medication usage, reordering, and preventing shortages
    d. It increases the risk of medication expiration

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PHARMACY INFORMATICS: TECHNOLOGY ENHANCED PRACTICE (PIN2202)

Name of Student: PERARASAN M **Course & Year:** B. Pharm Third year

Registration No: 560020516552 **Semester:**

Date: 24.9.2022 **Marks Secured:**

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. **What is the primary goal of pharmacy informatics?**
   a. Enhancing patient counseling techniques
   b. Improving pharmaceutical research methodologies
   c. Integrating technology to improve pharmacy practice
   d. Increasing prescription medication costs

21/30

2. **Which of the following is a common application of pharmacy informatics?**
   a. Compounding medications manually
   b. Maintaining paper-based medication records
   c. Using electronic health records (EHR) for patient care
   d. Conducting clinical trials for new medications
3. **What role does "e-prescribing" play in pharmacy informatics?**
   a. It ensures proper medication compounding techniques.
   b. It allows patients to manually fill their prescriptions.
   c. It electronically transmits prescriptions from healthcare providers to pharmacies.
   d. It monitors adverse drug reactions in real-time.
4. **What does the term "interoperability" refer to in pharmacy informatics?**
   a. The ability of different software systems to exchange and use data
   b. The process of dispensing medications to patients
   c. The integration of traditional pharmacy practices with modern technology
   d. The analysis of medication utilization patterns
5. **The analysis of medication utilization patterns**
   a. By increasing the complexity of medication dispensing procedures
   b. By reducing the need for patient education
   c. By providing real-time alerts for potential drug interactions
   d. By decreasing the involvement of pharmacists in patient care

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6. **Which technology is commonly used in pharmacy informatics to automate medication dispensing?**
   a. Pneumatic tubes
   b. Fax machines
   c. Rotary phones
   d. Robotic dispensing systems
7. **What is the purpose of a Clinical Decision Support System (CDSS) in pharmacy informatics?**
   a. To automatically bill patients for their medications
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   c. To assist healthcare professionals in making informed clinical decisions
   d. To track the location of medication shipments
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   a. By increasing the use of handwritten medication lists
   b. By ensuring all healthcare providers have access to the same medication information
   c. By replacing medication reconciliation with manual phone calls to pharmacies
   d. By relying solely on patients to remember their medication history
9. **Which regulatory agency in the United States is involved in promoting the use of health information technology, including pharmacy informatics?**
   a. Food and Drug Administration (FDA)
   b. Drug Enforcement Administration (DEA)
   c. Centers for Disease Control and Prevention (CDC)
   d. Office of the National Coordinator for Health Information Technology (ONC)
10. **What is the role of pharmacy informatics in inventory management?**
    a. It eliminates the need for medication inventory altogether
    b. It allows pharmacists to manually count medications daily
    c. It assists in tracking medication usage, reordering, and preventing shortages
    d. It increases the risk of medication expiration

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PHARMACY INFORMATICS: TECHNOLOGY ENHANCED PRACTICE (PIN2202)

Name of Student: VIMAL P
Course & Year: B pharm third year
Registration No: 560020516581
Semester:
Date: 24.09.2022
Marks Secured:

Answer All Multiple-Choice Questions (10 × 3 = 30)

30/30

1. **What is the primary goal of pharmacy informatics?**
   a. Enhancing patient counseling techniques ✓
   b. Improving pharmaceutical research methodologies
   c. Integrating technology to improve pharmacy practice
   d. Increasing prescription medication costs
2. **Which of the following is a common application of pharmacy informatics?**
   a. Compounding medications manually ✓
   b. Maintaining paper-based medication records
   c. Using electronic health records (EHR) for patient care
   d. Conducting clinical trials for new medications
3. **What role does "e-prescribing" play in pharmacy informatics?**
   a. It ensures proper medication compounding techniques. ✓
   b. It allows patients to manually fill their prescriptions.
   c. It electronically transmits prescriptions from healthcare providers to pharmacies.
   d. It monitors adverse drug reactions in real-time.
4. **What does the term "interoperability" refer to in pharmacy informatics?**
   a. The ability of different software systems to exchange and use data ✓
   b. The process of dispensing medications to patients
   c. The integration of traditional pharmacy practices with modern technology
   d. The analysis of medication utilization patterns
5. **The analysis of medication utilization patterns** ✓
   a. By increasing the complexity of medication dispensing procedures
   b. By reducing the need for patient education
   c. By providing real-time alerts for potential drug interactions
   d. By decreasing the involvement of pharmacists in patient care

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   b. Fax machines
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   d. Office of the National Coordinator for Health Information Technology (ONC)
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    d. It increases the risk of medication expiration

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MARK STATEMENT

Course Code : PIN2202

Course Name : PHARMACY INFORMATICS: TECHNOLOGY ENHANCED PRACTICE

Date : 13.08.2022 to 24.09.2022 (All Saturday)

Course & Year : B. Pharm Third Year

S.No	Student Name	Registration Number	Marks secured
1	ABINATH A	560020516501	27
2	ABIRAMI K	560020516502	24
3	ABIRAMI L	560020516503	27
4	AINESH S	560020516504	27
5	AJAY A	560020516505	30
6	AKASH G	560020516506	21
7	ARAVIND V	560020516508	27
8	ARAVINDHAN V	560020516509	24
9	ARIVAZHAGAN S	560020516510	27
10	ARUNPRAVIN K R	560020516512	27
11	ARUN BHARATHI A	560020516513	24
12	AYYANAR A	560020516514	27
13	BHARATH KUMAR T	560020516515	30
14	DIVYA R	560020516518	21
15	ESWARAN A	560020516519	21
16	GIRIDHARAGANAPATHI R	560020516521	24
17	GOKULNATH K	560020516522	24
18	GOKULPRASATH K	560020516523	27
19	GOPINATH P	560020516524	27
20	GRACY S	560020516526	21
21	GUNA N	560020516527	27
22	JEEVA M	560020516528	24
23	JEEVANANTHA R	560020516529	24
24	KALAIMUHILAN B	560020516530	27
25	KALEESWARAN K	560020516531	24

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S.No	Student Name	Registration Number	Marks secured
26	KARTHIKEYAN C	560020516532	21
27	KEERTHANA S	560020516533	30
28	KEERTHIKA A	560020516534	27
29	KESAVAMOORTHY S	560020516535	27
30	KISHORE M	560020516536	24
31	KOKILA V	560020516537	27
32	KOWSALYA S	560020516538	21
33	LOKEHWARAN E	560020516539	27
34	MADHANKUMAR M	560020516540	21
35	MANIGANDAN N	560020516542	24
36	MANIKANDAN N	560020516543	27
37	MANOJ PRAKASH S	560020516544	24
38	MITHUNCHAKRAVARTHI S	560020516546	21
39	MONISHA M	560020516547	21
40	MOWLISHWARAN R	560020516548	30
41	NAVEEN V	560020516550	27
42	PAVITHRA S	560020516551	21
43	PERARASAN M	560020516552	21
44	POOVENTHAN K	560020516553	24
45	PRAVEEN V	560020516554	27
46	RAJ NARENDRAN M	560020516555	27
47	RAMYA E	560020516556	24
48	RANJITH KUMAR R	560020516557	21
49	RANJITHKUMAR S	560020516558	24
50	RUTHNAKUMAR S	560020516560	27
51	RUVITHA P	560020516561	27
52	SARANATHI K	560020516562	27
53	SARATHI D	560020516563	27
54	SATHISH S	560020516564	21
55	SHAJAHAN S	560020516566	24
56	SONA R	560020516567	30
57	SOUNDAR K	560020516568	27
58	SUBARANJANI P G	560020516569	27
59	SURENDHAR M	560020516571	24
60	SUSEENDHARAN V A	560020516572	21

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S.No	Student Name	Registration Number	Marks secured
61	TAMILSELVAM T	560020516573	24
62	THAIARASAN V	560020516574	21
63	TIVIN T V	560020516575	27
64	VAITHEESWARAN V	560020516576	27
65	VIGNESHWARAN S	560020516578	24
66	VIJAY V	560020516579	27
67	VIJO G	560020516580	21
68	VIMAL P	560020516581	30
69	YOGESHWARAN N	560020516583	27
70	YUVARAJ KRISHNAN N	560020516584	24

Co-Ordinator

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ADD-ON COURSE: ANSWER KEY

Course Code : PIN2202

Course Name : PHARMACY INFORMATICS: TECHNOLOGY ENHANCED PRACTICE

Date : 13.08.2022 to 24.09.2022 (All Saturday)

Course & Year : B. Pharm Third Year

ANSWER KEY

1. Integrating technology to improve pharmacy practice
2. Using electronic health records (EHR) for patient care
3. It electronically transmits prescriptions from healthcare providers to pharmacies.
4. The ability of different software systems to exchange and use data
5. By providing real-time alerts for potential drug interactions
6. Robotic dispensing systems
7. To assist healthcare professionals in making informed clinical decisions
8. By ensuring all healthcare providers have access to the same medication information
9. Office of the National Coordinator for Health Information Technology (ONC)
10. It assists in tracking medication usage, reordering, and preventing shortages.

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ADD ON COURSE FEEDBACK FORM

Name of the student: GOKULNATH . K Course & Year: B. Pharm Third Year

Registration No: 5600 20516522 Date: 24.09.2022

Name of the Course: PHARMACY INFORMATICS.

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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K. Gokul.
Student Signature

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ADD ON COURSE FEEDBACK FORM

Name of the student: SONA . R Course & Year: B.Pharm Third Year

Registration No: 560020516567 Date: 24.09.2022.

Name of the Course: PHARMACY INFORMATICS

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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ADD ON COURSE FEEDBACK FORM

Name of the student: RAMYA . E

Course & Year: B.Pharm Third Year.

Registration No: 560020516556.

Date: 24.09.2022.

Name of the Course: PHARMACY INFORMATICS

Evaluating the Following Questions

1. This Course was interesting

a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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Ramya
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ADD ON COURSE FEEDBACK FORM

Name of the student: KOKILA . V

Course & Year: B. pharm Third year.

Registration No: 560020S105 37

Date: 24.09.22

Name of the Course: PHARMACY INFORMATICS

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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ADD ON COURSE FEEDBACK FORM

Name of the student: SOUNDAR. K Course & Year: B.Pharm Third Year

Registration No: 5600205165568 Date: 24.09.2022

Name of the Course: PHARMACY INFORMATICS

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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Soundhar.
Student Signature

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ADD-ON COURSE - SYLLABUS

Course Code : CCM2203

Course Name :CHANGE CONTROL IN PHARMACEUTICAL MANUFACTURING PROCESS

Date : 12.11.2022 to 31.12.2022 (All Saturday)

Course & Year : B. Pharm Second Year

Course Objective : The objective of the change control process is to ensure that all changes are carefully evaluated, authorized, implemented, and recorded in a controlled manner to reduce potential risks and maintain compliance with regulatory requirements

S. No	Topic	Hours
1	**Module-I:** Introduction and Operation of Change Control Programs, Principles of Change Control, Parallel program, Companywide program	9
2	**Module-II:** Grading the Changes, Trials, Deviations, Change Control Committee, Documentation, Change Requests	10
3	**Module-III: Appendices** A. CMS' Change Control Management Plan Version 1.0 B. Change Management Plan Version 1.0 C. EMA Questions and Answers on Post Approval Change Management Protocols	12

Course Outcome:

After the successful completion of this course, the student shall be able to:

1. Recognize the importance of health informatics and pharmacy informatics in improving the quality and safety of patient care.
2. Recognize the importance of data standards in healthcare systems.

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ADD-ON COURSE NAME: CHANGE CONTROL IN PHARMACEUTICAL MANUFACTURING PROCESS

Course Code: CCM2203

RESOURCE PERSON



Name	: Mrs. M. GOMATHI
Qualification	: M. Pharm.,
Designation	: Assistant Professor
Department	: Pharmaceutics
Organization	: SSM College of Pharmacy, Erode, Tamilnadu.
Area of Specialization	: Formulation and Development, Biopharmaceutics, Industrial Pharmacy, Regulatory Affairs, Pharmaceutics, Novel Drug Delivery System.
Phone number	: +91 97500 50660
Mail-ID	: gomathidurga24@gmail.com
Experience	: 04 Year 00 Months

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ADD-ON COURSE NAME: CHANGE CONTROL IN PHARMACEUTICAL MANUFACTURING PROCESS

Course Code: CCM2203

RESOURCE PERSON



Name	: Mr. S. Kannan
Qualification	: M. Pharm.,
Designation	: Associate Professor
Department	: Pharmaceutics
Organization	: JKK Munirajah Institute of Health Sciences College of Pharmacy, Erode, Tamilnadu.
Area of Specialization	: Pharmaceutical Biotechnology, Pharmaceutical Microbiology, Industrial Pharmacy, Regulatory Affairs, Modern Pharmaceutics.
Phone number	: +91 86102 54625
Mail-ID	: kannan@jkkmihscp.org
Experience	: 14 Years 06 Months

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ADD-ON COURSE - SCHEDULE

Course Code : CCM2203

Course Name : CHANGE CONTROL IN PHARMACEUTICAL MANUFACTURING PROCESS

Date : 12.11.2022 to 31.12.2022 (All Saturday)

Course & Year : B. Pharm Second Year

S. No	Topic	Hours
1	UNIT-I: Introduction and Operation of Change Control Programs, Principles of Change Control, Parallel program, Company wide program	12.11.2022 Mrs. M. Gomathi & Mr. S. Kannan
2	UNIT-II: Grading the Changes, Trials, Deviations	26.11.2022 Mrs. M. Gomathi & Mr. S. Kannan
3	Change Control Committee, Documentation, Change Requests	10.12.2022 Mrs. M. Gomathi & Mr. S. Kannan
4	UNIT-III: Appendices A. CMS' Change Control Management Plan Version 1.0 B. Change Management Plan Version 1.0	24.12.2022 Mrs. M. Gomathi & Mr. S. Kannan
5	EMA Questions and Answers on Post Approval Change Management Protocols	31.12.2022 Mrs. M. Gomathi & Mr. S. Kannan

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CHANGE CONTROL IN PHARMACEUTICAL MANUFACTURING PROCESS (CCM2203)

Name of Student: Gowrimala . I **Course & Year:** B. Pharm

Registration No: 5600 21516528 **Semester:**

Date: 31 . 12 . 2022 **Marks Secured:**

Answer All Multiple-Choice Questions (10 × 3 = 30)

27/30

1. **What is the primary goal of change control in pharmaceutical manufacturing?**
   a. To reduce manufacturing costs
   (b) To maintain consistent product quality and safety
   c. To expedite the production process
   d. To increase production output

2. **Which regulatory agency provides guidelines and requirements for change control in pharmaceutical manufacturing?**
   a. World Health Organization (WHO)
   b. Food and Drug Administration (FDA)
   c. European Medicines Agency (EMA)
   (d) All of the above

3. **In the context of change control, what does "Change Proposal" refer to?**
   (a) A formal request to make changes to a manufacturing process
   b. A report on the current manufacturing process
   c. A summary of the manufacturing equipment inventory
   d. A list of employees involved in the production

4. **Which of the following is NOT a typical step in the change control process?**
   a. Change proposal review
   b. Implementation of changes
   (c) Document shredding
   d. Post-implementation evaluation

5. **What is the primary purpose of conducting a risk assessment in change control?**
   a. To delay the implementation of changes
   (b) To identify and evaluate potential risks associated with the proposed changes
   c. To increase production speed
   d. To reduce employee training requirements

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6. **Which type of change typically requires the most rigorous evaluation and documentation in pharmaceutical manufacturing?**
   a. Administrative changes
   b. Minor process changes
   c. Major process changes
   d. Equipment maintenance

7. **What is the role of the Change Control Board (CCB) in the change control process?**
   a. To implement changes without oversight
   b. To identify changes without evaluation
   c. To review and approve or reject proposed changes
   d. To create change proposals

8. **Which phase of the change control process involves validating and verifying the effectiveness of implemented changes?**
   a. Initiation phase
   b. Evaluation phase
   c. Implementation phase
   d. Post-implementation phase

9. **What is the primary purpose of maintaining a change control log or database?**
   a. To track and document all proposed changes
   b. To keep a record of employee training
   c. To manage production schedules
   d. To analyse manufacturing costs

10. **In the pharmaceutical industry, which key factor should drive the decision to approve or reject a proposed change?**
    a. The cost-saving potential of the change
    b. The impact on product quality, safety, and efficacy
    c. The speed at which the change can be implemented
    d. Employee preferences

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CHANGE CONTROL IN PHARMACEUTICAL MANUFACTURING PROCESS (CCM2203)

Name of Student: Chandru . A **Course & Year:** B. Pharm

Registration No: 5608·2151655 14 **Semester:**

Date: 31·12·2022 **Marks Secured:**

Answer All Multiple-Choice Questions (10 × 3 = 30)

27/30

1. **What is the primary goal of change control in pharmaceutical manufacturing?**
   a. To reduce manufacturing costs
   (b) To maintain consistent product quality and safety
   c. To expedite the production process
   d. To increase production output

2. **Which regulatory agency provides guidelines and requirements for change control in pharmaceutical manufacturing?**
   a. World Health Organization (WHO)
   b. Food and Drug Administration (FDA)
   c. European Medicines Agency (EMA)
   (d) All of the above

3. **In the context of change control, what does "Change Proposal" refer to?**
   (a) A formal request to make changes to a manufacturing process
   b. A report on the current manufacturing process
   c. A summary of the manufacturing equipment inventory
   d. A list of employees involved in the production

4. **Which of the following is NOT a typical step in the change control process?**
   a. Change proposal review
   b. Implementation of changes
   (c) Document shredding
   d. Post-implementation evaluation

5. **What is the primary purpose of conducting a risk assessment in change control?**
   a. To delay the implementation of changes
   (b) To identify and evaluate potential risks associated with the proposed changes
   c. To increase production speed
   d. To reduce employee training requirements

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6. **Which type of change typically requires the most rigorous evaluation and documentation in pharmaceutical manufacturing?**
   a. Administrative changes
   b. Minor process changes
   (c.) Major process changes
   d. Equipment maintenance

7. **What is the role of the Change Control Board (CCB) in the change control process?**
   a. To implement changes without oversight
   b. To identify changes without evaluation
   (c) To review and approve or reject proposed changes
   d. To create change proposals

8. **Which phase of the change control process involves validating and verifying the effectiveness of implemented changes?**
   a. Initiation phase
   b. Evaluation phase
   c. Implementation phase
   (d.) Post-implementation phase

9. **What is the primary purpose of maintaining a change control log or database?**
   (a.) To track and document all proposed changes
   b. To keep a record of employee training
   c. To manage production schedules
   d. To analyse manufacturing costs

10. **In the pharmaceutical industry, which key factor should drive the decision to approve or reject a proposed change?**
    a. The cost-saving potential of the change
    b. The impact on product quality, safety, and efficacy
    (c.) The speed at which the change can be implemented
    d. Employee preferences

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CHANGE CONTROL IN PHARMACEUTICAL MANUFACTURING PROCESS (CCM2203)

Name of Student: DINESH . K
Course & Year: B.Pharm
Registration No: 5600215165 22
Semester:
Date: 31.12.2022
Marks Secured:

Answer All Multiple-Choice Questions (10 × 3 = 30)

21/30

1. **What is the primary goal of change control in pharmaceutical manufacturing?**
   a. To reduce manufacturing costs
   b. To maintain consistent product quality and safety ✓
   c. To expedite the production process
   d. To increase production output

2. **Which regulatory agency provides guidelines and requirements for change control in pharmaceutical manufacturing?**
   a. World Health Organization (WHO)
   b. Food and Drug Administration (FDA)
   c. European Medicines Agency (EMA) X
   d. All of the above

3. **In the context of change control, what does "Change Proposal" refer to?**
   a. A formal request to make changes to a manufacturing process ✓
   b. A report on the current manufacturing process
   c. A summary of the manufacturing equipment inventory
   d. A list of employees involved in the production

4. **Which of the following is NOT a typical step in the change control process?**
   a. Change proposal review
   b. Implementation of changes
   c. Document shredding ✓
   d. Post-implementation evaluation

5. **What is the primary purpose of conducting a risk assessment in change control?**
   a. To delay the implementation of changes
   b. To identify and evaluate potential risks associated with the proposed changes
   c. To increase production speed X
   d. To reduce employee training requirements

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6. **Which type of change typically requires the most rigorous evaluation and documentation in pharmaceutical manufacturing?**
   a. Administrative changes
   b. Minor process changes
   c. Major process changes
   d. Equipment maintenance

7. **What is the role of the Change Control Board (CCB) in the change control process?**
   a. To implement changes without oversight
   b. To identify changes without evaluation
   c. To review and approve or reject proposed changes
   d. To create change proposals

8. **Which phase of the change control process involves validating and verifying the effectiveness of implemented changes?**
   a. Initiation phase
   b. Evaluation phase
   c. Implementation phase
   d. Post-implementation phase

9. **What is the primary purpose of maintaining a change control log or database?**
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   b. To keep a record of employee training
   c. To manage production schedules
   d. To analyse manufacturing costs

10. **In the pharmaceutical industry, which key factor should drive the decision to approve or reject a proposed change?**
    a. The cost-saving potential of the change
    b. The impact on product quality, safety, and efficacy
    c. The speed at which the change can be implemented
    d. Employee preferences

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CHANGE CONTROL IN PHARMACEUTICAL MANUFACTURING PROCESS (CCM2203)

Name of Student: GOKULNATH .V **Course & Year:** B. Pharm

Registration No: 560021516526 **Semester:**

Date: 31 · 12 · 2022 **Marks Secured:**

Answer All Multiple-Choice Questions (10 × 3 = 30)

30/30

1. **What is the primary goal of change control in pharmaceutical manufacturing?**
   a. To reduce manufacturing costs
   b. To maintain consistent product quality and safety ✓
   c. To expedite the production process
   d. To increase production output

2. **Which regulatory agency provides guidelines and requirements for change control in pharmaceutical manufacturing?**
   a. World Health Organization (WHO)
   b. Food and Drug Administration (FDA)
   c. European Medicines Agency (EMA)
   d. All of the above ✓

3. **In the context of change control, what does "Change Proposal" refer to?**
   a. A formal request to make changes to a manufacturing process ✓
   b. A report on the current manufacturing process
   c. A summary of the manufacturing equipment inventory
   d. A list of employees involved in the production

4. **Which of the following is NOT a typical step in the change control process?**
   a. Change proposal review
   b. Implementation of changes
   c. Document shredding ✓
   d. Post-implementation evaluation

5. **What is the primary purpose of conducting a risk assessment in change control?**
   a. To delay the implementation of changes
   b. To identify and evaluate potential risks associated with the proposed changes ✓
   c. To increase production speed
   d. To reduce employee training requirements

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6. **Which type of change typically requires the most rigorous evaluation and documentation in pharmaceutical manufacturing?**
   a. Administrative changes
   b. Minor process changes
   c. Major process changes
   d. Equipment maintenance
7. **What is the role of the Change Control Board (CCB) in the change control process?**
   a. To implement changes without oversight
   b. To identify changes without evaluation
   c. To review and approve or reject proposed changes
   d. To create change proposals
8. **Which phase of the change control process involves validating and verifying the effectiveness of implemented changes?**
   a. Initiation phase
   b. Evaluation phase
   c. Implementation phase
   d. Post-implementation phase
9. **What is the primary purpose of maintaining a change control log or database?**
   a. To track and document all proposed changes
   b. To keep a record of employee training
   c. To manage production schedules
   d. To analyse manufacturing costs
10. **In the pharmaceutical industry, which key factor should drive the decision to approve or reject a proposed change?**
    a. The cost-saving potential of the change
    b. The impact on product quality, safety, and efficacy
    c. The speed at which the change can be implemented
    d. Employee preferences

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CHANGE CONTROL IN PHARMACEUTICAL MANUFACTURING PROCESS (CCM2203)

Name of Student: Arun Raj K **Course & Year:** B Pharm

Registration No: 56002151651 2 **Semester:**

Date: 31.12.2022 **Marks Secured:**

Answer All Multiple-Choice Questions (10 × 3 = 30)

24/30

1. **What is the primary goal of change control in pharmaceutical manufacturing?**
   a. To reduce manufacturing costs
   (b) To maintain consistent product quality and safety ✓
   c. To expedite the production process
   d. To increase production output
2. **Which regulatory agency provides guidelines and requirements for change control in pharmaceutical manufacturing?**
   a. World Health Organization (WHO)
   b. Food and Drug Administration (FDA)
   c. European Medicines Agency (EMA)
   (d) All of the above ✓
3. **In the context of change control, what does "Change Proposal" refer to?**
   (a) A formal request to make changes to a manufacturing process ✗
   b. A report on the current manufacturing process
   c. A summary of the manufacturing equipment inventory
   d. A list of employees involved in the production
4. **Which of the following is NOT a typical step in the change control process?**
   a. Change proposal review
   (b) Implementation of changes ✗
   c. Document shredding
   d. Post-implementation evaluation
5. **What is the primary purpose of conducting a risk assessment in change control?**
   a. To delay the implementation of changes
   b. To identify and evaluate potential risks associated with the proposed changes
   (c) To increase production speed ✓
   d. To reduce employee training requirements

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6. **Which type of change typically requires the most rigorous evaluation and documentation in pharmaceutical manufacturing?**
   a. Administrative changes
   b. Minor process changes
   c. Major process changes
   d. Equipment maintenance

7. **What is the role of the Change Control Board (CCB) in the change control process?**
   a. To implement changes without oversight
   b. To identify changes without evaluation
   c. To review and approve or reject proposed changes
   d. To create change proposals

8. **Which phase of the change control process involves validating and verifying the effectiveness of implemented changes?**
   a. Initiation phase
   b. Evaluation phase
   c. Implementation phase
   d. Post-implementation phase

9. **What is the primary purpose of maintaining a change control log or database?**
   a. To track and document all proposed changes
   b. To keep a record of employee training
   c. To manage production schedules
   d. To analyse manufacturing costs

10. **In the pharmaceutical industry, which key factor should drive the decision to approve or reject a proposed change?**
    a. The cost-saving potential of the change
    b. The impact on product quality, safety, and efficacy
    c. The speed at which the change can be implemented
    d. Employee preferences

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ADD-ON COURSE: ANSWER KEY

Course Code : CCM2203

Course Name : CHANGE CONTROL IN PHARMACEUTICAL MANUFACTURING PROCESS

Date : 12.11.2022 to 31.12.2022 (All Saturday)

Course & Year : B. Pharm Second Year

ANSWER KEY

1. Answer: b. To maintain consistent product quality and safety
2. Answer: d. All of the above
3. Answer: a. A formal request to make changes to a manufacturing process
4. Answer: c. Document shredding
5. Answer: b. To identify and evaluate potential risks associated with the proposed changes
6. Answer: c. Major process changes
7. Answer: c. To review and approve or reject proposed changes
8. Answer: d. Post-implementation phase
9. Answer: a. To track and document all proposed changes
10. Answer: b. The impact on product quality, safety, and efficacy

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MARK STATEMENT

Course Code : CCM2203

Course Name : CHANGE CONTROL IN PHARMACEUTICAL MANUFACTURING PROCESS

Date : 12.11.2022 to 31.12.2022 (All Saturday)

Course & Year : B. Pharm Second Year

S.No	Student Name	Registration Number	Mark Secured
1	ABARNA S	560021516501	21
2	ABINAYA S	560021516502	21
3	ABISHEK R K	560021516503	27
4	AJITHKUMAR A	560021516505	30
5	AMBIKA S	560021516506	24
6	ANANDHI G R	560021516507	27
7	ANBUMANI C	560021516508	21
8	ANUTHRA A	560021516509	21
9	ARUN A	560021516510	27
10	ARUNRAJ K	560021516511	27
11	ARUNRAJ K	560021516512	24
12	BHARATHKANNAN M	560021516513	30
13	CHANDRU A	560021516514	27
14	CHANDRU K	560021516515	27
15	DEEPASELVI T	560021516517	30
16	DHANASRI K	560021516518	24
17	DHARANI R S	560021516520	21
18	DHARUN PRAKASH M	560021516521	27
19	DINESH K	560021516522	21
20	FARISH MOHAMED A M	560021516523	24
21	GOBIKA R	560021516524	24
22	GOKILA K	560021516525	27
23	GOKULNATH V	560021516526	30
24	GOWRI SHANKAR V	560021516527	21
25	GOWRIMALA I	560021516528	27

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S.No	Student Name	Registration Number	Marks secured
26	GOWTHAM S	560021516529	27
27	GUGAPRIYA M	560021516530	24
28	GUNA L	560021516531	21
29	HARI NIVAS V	560021516532	27
30	HARINI K	560021516533	24
31	HEMALATHA V	560021516534	30
32	HEMARANI S	560021516535	27
33	INDIRA M	560021516536	24
34	JAGATHEESAN M	560021516537	21
35	JAYAPRAKASH J	560021516538	24
36	JENITHA M	560021516539	21
37	JOSHUA M	560021516540	27
38	KARTHICK K	560021516541	30
39	KAVIMANI S A	560021516543	27
40	KAVIN S	560021516544	24
41	KAVYASHREE C S	560021516545	24
42	KIRUTHIKA G	560021516546	27
43	KOKILA A	560021516547	21
44	MANOJ J	560021516549	27
45	MEHAVARSHINI K	560021516551	27
46	MELBIN J	560021516552	24
47	MOHANAPRIYAN K	560021516553	21
48	MOHANASUNDARAM A	560021516554	21
49	MOHANRAM N	560021516556	21
50	MOORTHY M	560021516557	24
51	MUNEESWARAN I	560021516558	27
52	NISHA K	560021516560	27
53	NITHISHKUMAR R	560021516561	24
54	NITHYA KEERTHI R	560021516562	30
55	PARASURAMAN T	560021516563	27
56	PARTHIPAN M	560021516564	30
57	PAVITHRA S	560021516565	27
58	PRASANNA S	560021516566	27
59	PRATHAP P	560021516567	24
60	PRITHIVIRAJ V	560021516568	21

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S.No	Student Name	Registration Number	Marks secured
61	RAGUL P	560021516569	21
62	RAJESHKANNAN R	560021516571	30
63	RANJANI V	560021516572	27
64	RITHIKADEVI N	560021516573	27
65	SANJEEVI T	560021516574	21
66	SARANYA G	560021516575	24
67	SARVESHWARAN S	560021516576	27
68	SELVARAJA V	560021516578	30
69	SELVASURYA K	560021516579	27
70	SHALINI S	560021516580	27
71	SHAVEETHA A	560021516581	21
72	SHIBI S R	560021516582	24
73	SINDHU R	560021516583	27
74	SIRANJIVI D	560021516584	21
75	SIVAPRAKASH M	560021516585	21
76	SNEKA K	560021516586	24
77	SOWMIYA SRI S	560021516587	24
78	SUGANTHAN M	560021516588	30
79	SWETHA S	560021516589	27
80	TAMILSELVAN G	560021516590	21
81	THIRISHA T	560021516592	27
82	VAISHNAVI G	560021516593	24
83	VALLARASU M	560021516594	27
84	VASANTHA KUMAR A	560021516597	27
85	YUVARAJ M	560021516599	21

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ADD ON COURSE FEEDBACK FORM

Name of the student: P. Ragul Course & Year: B. Pharm II nd Year

Registration No: 560021516569 Date: 31/12/2022

Name of the Course: Change control in pharmaceutical Manufacturing Process

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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Ragul

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ADD ON COURSE FEEDBACK FORM

Name of the student: YUVARAJ.M Course & Year: B.pharm II year

Registration No: 560021516599 Date: 31/12/22

Name of the Course: change control in pharmaceutical manufacturing process.

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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ADD ON COURSE FEEDBACK FORM

Name of the student: A. ARUN Course & Year: B.PHARM SECOND YEAR

Registration No: 56002151651O Date: 31.12.2022

Name of the Course: CHANGE CONTROL IN PHARMACEUTICAL MANUFACTURING PROCESS

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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ADD ON COURSE FEEDBACK FORM

Name of the student: M. BHARATH KANNAN Course & Year: B. PHARM SECOND YEAR

Registration No: 5600 21 516513 Date: 31.12.2022

Name of the Course: change control in pharmaceutical manufacturing process

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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ADD ON COURSE FEEDBACK FORM

Name of the student: L. GUNA. Course & Year: B. Pharm IInd year

Registration No: 560021516531 Date: 31/12/2022.

Name of the Course: CHANGE CONTROL IN PHARMACEUTICAL MANUFACTURING PROCESS.

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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ADD-ON COURSE - SYLLABUS

Course Code : SDM2204

Course Name :SEWAGE DISPOSAL MANAGEMENT IN HOSPITALS AND INDUSTRIES

Date : 12.11.2022 to 31.12.2022 (All Saturday)

Course & Year : B. Pharm First Year

Course Objective : The hospital wastewater treatment plant is to treat the influent (untreated wastewater) generated by the hospitals and healthcare sectors before its direct release into natural environment

S.No	Topic	Hours
1	**Module-I Sewage:** Introduction, Origins of sewage, Sewage services, Collection of sewage, Historical sewage conveyance, Ancient systems, Industrial Revolution era, Design and analysis of collection systems, Sewage management and Sewage treatment.	10
2	**Module-II Sewage treatment:** Process overview, Pre-treatment, Screening, Grit removal, Primary treatment, Secondary treatment, Activated sludge, Trickling filter, Biological aerated filters, Membrane bioreactors, Secondary sedimentation, Tertiary treatment, Rotating biological contactors, Filtration, Lagooning, Nutrient removal, Phosphorus removal, Disinfection, Package plants and batch reactors, Sludge treatment, Digestion, Anaerobic digestion, Aerobic digestion, Composting, Thermal de-polymerization, Incineration, Sewage disposal or water disposal, Waste disposal, Economic importance of sewage Energy from waste, Electricity, Conversion to fertilizer, Waste recycling.	11
3	**Module-III Pharmaceutical waste:** Types of pharmaceutical waste, Pharmaceutical waste reduction and its benefit, Recent studies in pharmaceutical waste management, Risk factors in pharmaceutical field, Sewage disposal in hospital management: Introduction, Hospital Sewage Characteristics, Different types of hospital waste, Cytotoxic and cytostatic waste, Mixed municipal waste, Recyclables, Hospital sewage or wastewater treatment plant process.	10

Course Outcome:

After the successful completion of this course, the student shall be able to:

1. Acquire high knowledge about the sewage disposal management in hospital and industries and hygiene.
2. Have a critical way of thinking based on current health care development.

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ADD-ON COURSE NAME: SEWAGE DISPOSAL MANAGEMENT IN HOSPITALS AND INDUSTRIES

Course Code: SDM2204

RESOURCE PERSON



Name	: Mr. C. GOVINDARAJ
Qualification	: M. Pharm.,
Designation	: Assistant Professor
Department	: Pharmacology
Organization	: JKK Munirajah Institute of Health Sciences College of Pharmacy, Erode, Tamilnadu.
Area of Specialization	: Pharmacology, Pharmacovigilance, Clinical Trail, Medical Coding, Pharmacotherapeutics, Hospital & Clinical Pharmacy, Human Anatomy and Physiology.
Phone number	: +91 88703 95115
Mail-ID	: govindaraj.c@jkkmihsep.org
Experience	: 01 Years 00 Months

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ADD-ON COURSE NAME: SEWAGE DISPOSAL MANAGEMENT IN HOSPITALS AND INDUSTRIES

Course Code: SDM2204

RESOURCE PERSON



Name	: Mr. K. GOBINATH
Qualification	: M. Pharm.,
Designation	: Assistant Professor
Department	: Pharmaceutics
Organization	: JKK Munirajah Institute of Health Sciences College of Pharmacy, Erode, Tamilnadu.
Area of Specialization	: Pharmaceutics, Physical Pharmacy, Industrial Pharmacy, Novel Drug Delivery System, Cosmetic Science.
Phone number	: +91 95243 98799
Mail-ID	: gobinath.k@jkkmihscp.org
Experience	: 02 Year 01 Months

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ADD-ON COURSE - SCHEDULE

Course Code : SDM2204

Course Name : SEWAGE DISPOSAL MANAGEMENT IN HOSPITALS AND INDUSTRIES

Date : 12.11.2022 to 31.12.2022 (All Saturday)

Course & Year : B. Pharm First Year

S. No	Topic	Hours
1	UNIT-I: Sewage: Introduction, Origins of sewage, Sewage services, Collection of sewage, Historical sewage conveyance, Ancient systems, Industrial Revolution era, Design and analysis of collection systems, Sewage management and Sewage treatment	12.11.2022 Mr. K. Gobinath & Mr. C. Govindaraj
2	UNIT-II: Sewage treatment: Process overview, Pre-treatment, Screening, Grit removal, Primary treatment, Secondary treatment, Activate sludge, Trickling filter, Biological aerated filters, Membrane bioreactors, Secondary sedimentation, Tertiary treatment	26.11.2022 Mr. K. Gobinath & Mr. C. Govindaraj
3	Rotating biological contactors, Filtration, Lagooning, Nutrient removal, Phosphorus removal, Disinfection, Package plants and batch reactors, Sludge treatment, Digestion, Anaerobic digestion, Aerobic digestion, Composting, Thermal de-polymerization, Incineration, Sewage disposal, Economic importance of sewage Energy from waste, Electricity, Conversion to fertilizer, Waste recycling	10.12.2022 Mr. K. Gobinath & Mr. C. Govindaraj
4	Unit-III: Pharmaceutical waste: Types of pharmaceutical waste, Pharmaceutical waste reduction and its benefit, Recent studies in pharmaceutical waste management, Risk factors in pharmaceutical field	24.12.2022 Mr. K. Gobinath & Mr. C. Govindaraj
5	Sewage disposal in hospital management: Introduction, Hospital Sewage Characteristics, Different types of hospital waste, Cytotoxic and cytostatic waste, Mixed municipal waste, Recyclables, Hospital sewage or wastewater treatment plant process	31.12.2022 Mr. K. Gobinath & Mr. C. Govindaraj

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SEWAGE DISPOSAL MANAGEMENT IN HOSPITALS AND INDUSTRIES (SDM2204)

Name of Student: GANESH KUMAR K

Course & Year: B.pharm First year

Registration No: 560022516525

Semester:

Date: 31.12.2022

Marks Secured:

Answer All Multiple-Choice Questions (10 × 3 = 30)

27/30

1. What are the main characteristics that define sewage?

a) Its color and turbidity

b) Its chemical composition and physical condition

c) Its temperature and taste

d) Its source and origin

2. Which of the following is NOT a classification of wastewater based on its origin?

a) Sanitary

b) Commercial

c) Industrial

d) Agricultural

3. What is the term used for liquid waste from stores and service establishments that are similar in characteristics to household flows?

a) Sanitary sewage

b) Industrial sewage

c) Commercial sewage

d) Surface runoff

4. Why are combined sewage systems generally avoided?

a) They are too expensive to construct.

b) They cannot handle storm water.

c) They reduce the efficiency of sewage treatment plants.

d) They are not legally recognized in urban areas.

5. What is the primary purpose of treating storm water before discharging it into waterways?

a) To remove heavy metals

b) To conserve water for reuse

c) To prevent spills and overflows

d) To remove coarse solids and contaminants

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6. Which type of waste water is characterized by intense and concentrated flows resulting from industrial processes?

a) Sanitary sewage

b) Domestic sewage

c) Industrial wastes

d) Storm water run off

7. What are some potential risks associated with wastewater from various sources?

a) Odor problems and eco-toxicology

b) Nutrient enrichment and wastewater treatment

c) Water conservation and filtration

d) Soil erosion and sedimentation

8. In developed areas, what is grey-water commonly used for?

a) Flushing toilets

b) Watering plants

c) Washing cars

d) Cleaning streets

9. Why might heavy storms overwhelm a sewage treatment system in combined sewers?

a) They increase the amount of household waste.

b) They cause the sewage to flow too quickly.

c) They lead to larger treatment facilities.

d) They contribute more flows than the system can handle.

10. Which category of sewage includes liquid waste from hospitals and institutions, as well as body wastes and laundry wastes?

a) Sanitary sewage

b) Domestic sewage

c) Commercial sewage

d) Industrial sewage

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SEWAGE DISPOSAL MANAGEMENT IN HOSPITALS AND INDUSTRIES (SDM2204)

Name of Student: MAGESH.S **Course & Year:** B.Pharm First year

Registration No: 5600 22516540 **Semester:**

Date: 31.12.2022 **Marks Secured:**

Answer All Multiple-Choice Questions (10 × 3 = 30)

30/30

1. What are the main characteristics that define sewage?

a) Its color and turbidity

b) Its chemical composition and physical condition

c) Its temperature and taste

d) Its source and origin

2. Which of the following is NOT a classification of wastewater based on its origin?

a) Sanitary

b) Commercial

c) Industrial

d) Agricultural

3. What is the term used for liquid waste from stores and service establishments that are similar in characteristics to household flows?

a) Sanitary sewage

b) Industrial sewage

c) Commercial sewage

d) Surface runoff

4. Why are combined sewage systems generally avoided?

a) They are too expensive to construct.

b) They cannot handle storm water.

c) They reduce the efficiency of sewage treatment plants.

d) They are not legally recognized in urban areas.

5. What is the primary purpose of treating storm water before discharging it into waterways?

a) To remove heavy metals

b) To conserve water for reuse

c) To prevent spills and overflows

d) To remove coarse solids and contaminants

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6. Which type of waste water is characterized by intense and concentrated flows resulting from industrial processes?

a) Sanitary sewage

b) Domestic sewage

c) Industrial wastes

d) Storm water run off

7. What are some potential risks associated with wastewater from various sources?

a) Odor problems and eco-toxicology

b) Nutrient enrichment and wastewater treatment

c) Water conservation and filtration

d) Soil erosion and sedimentation

8. In developed areas, what is grey-water commonly used for?

a) Flushing toilets

b) Watering plants

c) Washing cars

d) Cleaning streets

9. Why might heavy storms overwhelm a sewage treatment system in combined sewers?

a) They increase the amount of household waste.

b) They cause the sewage to flow too quickly.

c) They lead to larger treatment facilities.

d) They contribute more flows than the system can handle.

10. Which category of sewage includes liquid waste from hospitals and institutions, as well as body wastes and laundry wastes?

a) Sanitary sewage

b) Domestic sewage

c) Commercial sewage

d) Industrial sewage

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SEWAGE DISPOSAL MANAGEMENT IN HOSPITALS AND INDUSTRIES (SDM2204)

Name of Student: MANO.M **Course & Year:** B.Pharm I-YEAR

Registration No: 560022516543 **Semester:**

Date: 31-12-2022 **Marks Secured:**

21/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. What are the main characteristics that define sewage?

a) Its color and turbidity

b) Its chemical composition and physical condition ✓

c) Its temperature and taste

d) Its source and origin

2. Which of the following is NOT a classification of wastewater based on its origin?

a) Sanitary

b) Commercial

c) Industrial

d) Agricultural ✓

3. What is the term used for liquid waste from stores and service establishments that are similar in characteristics to household flows?

a) Sanitary sewage

b) Industrial sewage

c) Commercial sewage

d) Surface runoff ✗

4. Why are combined sewage systems generally avoided?

a) They are too expensive to construct.

b) They cannot handle storm water.

c) They reduce the efficiency of sewage treatment plants. ✓

d) They are not legally recognized in urban areas.

5. What is the primary purpose of treating storm water before discharging it into waterways?

a) To remove heavy metals

b) To conserve water for reuse

c) To prevent spills and earthflows ✗

d) To remove coarse solids and contaminants

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6. Which type of waste water is characterized by intense and concentrated flows resulting from industrial processes?

a) Sanitary sewage

b) Domestic sewage

c) Industrial wastes

d) Storm water run off

7. What are some potential risks associated with wastewater from various sources?

a) Odor problems and eco-toxicology

b) Nutrient enrichment and wastewater treatment

c) Water conservation and filtration

d) Soil erosion and sedimentation

8. In developed areas, what is grey-water commonly used for?

a) Flushing toilets

b) Watering plants

c) Washing cars

d) Cleaning streets

9. Why might heavy storms overwhelm a sewage treatment system in combined sewers?

a) They increase the amount of household waste.

b) They cause the sewage to flow too quickly.

c) They lead to larger treatment facilities.

d) They contribute more flows than the system can handle.

10. Which category of sewage includes liquid waste from hospitals and institutions, as well as body wastes and laundry wastes?

a) Sanitary sewage

b) Domestic sewage

c) Commercial sewage

d) Industrial sewage

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SEWAGE DISPOSAL MANAGEMENT IN HOSPITALS AND INDUSTRIES (SDM2204)

Name of Student: ARUNIMAR KUMAR **Course & Year:** B. pharm first year

Registration No: 56 00 225 165 10 **Semester:**

Date: 31 . 12 . 2022 **Marks Secured:**

Answer All Multiple-Choice Questions (10 × 3 = 30)

21/30

1. What are the main characteristics that define sewage?

a) Its color and turbidity

b) Its chemical composition and physical condition ✓

c) Its temperature and taste

d) Its source and origin

2. Which of the following is NOT a classification of wastewater based on its origin?

a) Sanitary

b) Commercial

c) Industrial ✗

d) Agricultural

3. What is the term used for liquid waste from stores and service establishments that are similar in characteristics to household flows?

a) Sanitary sewage

b) Industrial sewage

c) Commercial sewage

d) Surface runoff

4. Why are combined sewage systems generally avoided?

a) They are too expensive to construct.

b) They cannot handle storm water.

c) They reduce the efficiency of sewage treatment plants.

d) They are not legally recognized in urban areas. ✗

5. What is the primary purpose of treating storm water before discharging it into waterways?

a) To remove heavy metals

b) To conserve water for reuse

c) To prevent spills and overflows

d) To remove coarse solids and contaminants ✓

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6. Which type of waste water is characterized by intense and concentrated flows resulting from industrial processes?

a) Sanitary sewage

b) Domestic sewage

c) Industrial wastes

d) Storm water run off

7. What are some potential risks associated with wastewater from various sources?

a) Odor problems and eco-toxicology

b) Nutrient enrichment and wastewater treatment

c) Water conservation and filtration

d) Soil erosion and sedimentation

8. In developed areas, what is grey-water commonly used for?

a) Flushing toilets

b) Watering plants

c) Washing cars

d) Cleaning streets

9. Why might heavy storms overwhelm a sewage treatment system in combined sewers?

a) They increase the amount of household waste.

b) They cause the sewage to flow too quickly.

c) They lead to larger treatment facilities.

d) They contribute more flows than the system can handle.

10. Which category of sewage includes liquid waste from hospitals and institutions, as well as body wastes and laundry wastes?

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c) Commercial sewage

d) Industrial sewage

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SEWAGE DISPOSAL MANAGEMENT IN HOSPITALS AND INDUSTRIES (SDM2204)

Name of Student: [illegible] **Course & Year:** B. Pharm 3rd year

Registration No: 560022816570 **Semester:**

Date: 31/12/2022 **Marks Secured:**

Answer All Multiple-Choice Questions (10 × 3 = 30)

24/30

1. What are the main characteristics that define sewage?

a) Its color and turbidity

b) Its chemical composition and physical condition

c) Its temperature and taste

d) Its source and origin

2. Which of the following is NOT a classification of wastewater based on its origin?

a) Sanitary

b) Commercial

c) Industrial

d) Agricultural

3. What is the term used for liquid waste from stores and service establishments that are similar in characteristics to household flows?

a) Sanitary sewage

b) Industrial sewage

c) Commercial sewage

d) Surface runoff

4. Why are combined sewage systems generally avoided?

a) They are too expensive to construct.

b) They cannot handle storm water.

c) They reduce the efficiency of sewage treatment plants.

d) They are not legally recognized in urban areas.

5. What is the primary purpose of treating storm water before discharging it into waterways?

a) To remove heavy metals

b) To conserve water for reuse

c) To prevent spills and overflows

d) To remove coarse solids and contaminants

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6. Which type of waste water is characterized by intense and concentrated flows resulting from industrial processes?

a) Sanitary sewage

b) Domestic sewage

c) Industrial wastes

d) Storm water run off

7. What are some potential risks associated with wastewater from various sources?

a) Odor problems and eco-toxicology

b) Nutrient enrichment and wastewater treatment

c) Water conservation and filtration

d) Soil erosion and sedimentation

8. In developed areas, what is grey-water commonly used for?

a) Flushing toilets

b) Watering plants

c) Washing cars

d) Cleaning streets

9. Why might heavy storms overwhelm a sewage treatment system in combined sewers?

a) They increase the amount of household waste.

b) They cause the sewage to flow too quickly.

c) They lead to larger treatment facilities.

d) They contribute more flows than the system can handle.

10. Which category of sewage includes liquid waste from hospitals and institutions, as well as body wastes and laundry wastes?

a) Sanitary sewage

b) Domestic sewage

c) Commercial sewage

d) Industrial sewage

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ADD-ON COURSE: ANSWER KEY

Course Code : SDM2204

Course Name : SEWAGE DISPOSAL MANAGEMENT IN HOSPITALS AND INDUSTRIES

Date : 12.11.2022 to 31.12.2022 (All Saturday)

Course & Year : B. Pharm First Year

ANSWER KEY

1. Answer: b) Its chemical composition and physical condition
2. Answer: d) Agricultural
3. Answer: c) Commercial sewage
4. Answer: c) They reduce the efficiency of sewage treatment plants.
5. Answer: d) To remove coarse solids and contaminants
6. Answer: c) Industrial wastes
7. Answer: a) Odor problems and eco-toxicology
8. Answer: b) Watering plants
9. Answer: d) They contribute more flows than the system can handle.
10. Answer: a) Sanitary sewage

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MARK STATEMENT

Course Code : SDM2204

Course Name : SEWAGE DISPOSAL MANAGEMENT IN HOSPITALS AND INDUSTRIES

Date : 12.11.2022 to 31.12.2022 (All Saturday)

Course & Year : B. Pharm First Year

S.No	Student Name	Registration Number	Marks secured
1	ABDUL RAHIM K	560022516501	27
2	ABINAYA M	560022516502	24
3	AGALYA A	560022516503	21
4	AHAMED SHAMEEM M	560022516504	30
5	ANISH ROJA K	560022516506	27
6	ARAVINTH K	560022516507	21
7	ARUN M	560022516509	27
8	ARUNIMA R KUMAR	560022516510	21
9	BHARANI M	560022516512	24
10	BIRUNDHA E	560022516513	30
11	BOOBALAN S	560022516514	21
12	BOOMIKA E	560022516515	27
13	DESIKA K	560022516517	24
14	DHANUSH D	560022516518	24
15	DHARUN M	560022516520	21
16	DINESH S	560022516521	27
17	ELAMPARITHI T	560022516522	30
18	ESAKKI SARAVANAN K	560022516523	24
19	GANESHKUMAR K	560022516525	27
20	GNANAPRIYA K	560022516526	30
21	GOKUL A	560022516527	27
22	GOKULNATH S	560022516528	21
23	HARSHINI S	560022516530	30
24	INDHUMATHI C	560022516531	24
25	JEEVA C	560022516532	27

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S.No	Student Name	Registration Number	Marks secured
26	JEGAN J	560022516533	21
27	JOTHIKA S	560022516535	24
28	KARTHICK S	560022516537	24
29	LINGESHWARAN S	560022516538	30
30	MADHAN R	560022516539	21
31	MAGESH S	560022516540	30
32	MANIKANDAN I	560022516541	27
33	MANMANDHAN K	560022516542	21
34	MANO M	560022516543	21
35	MANOJ KUMAR A	560022516544	24
36	MANOJ S	560022516545	27
37	MARUDHAMUTHU M	560022516546	30
38	MATHUMITHA M	560022516548	21
39	MITHUNKUMAR C	560022516549	27
40	MOTHISH R R	560022516551	24
41	NAVANEETHAN E	560022516553	21
42	NIRANJANA S S	560022516555	27
43	PONAJANTHA P	560022516557	30
44	PRASANTH K	560022516559	21
45	PRAVEEN KUMAR B	560022516560	24
46	PRAVEENKUMAR M	560022516562	30
47	RAGUL PRASATH C	560022516564	27
48	REPEKKA I	560022516565	21
49	RISHIKESAVAN M	560022516566	27
50	RUBIKASRI P	560022516567	24
51	SACHITHA R	560022516569	21
52	SAHANA S	560022516570	24
53	SANJAI B	560022516572	21
54	SARAVANAN S	560022516574	30
55	SRLVAPRIYA J	560022516575	27
56	SHANKARA PRABHU P S	560022516576	24
57	SIBIRAJ S	560022516577	21
58	SINDHU A	560022516578	27
59	SIVAKUMAR M	560022516579	30
60	SIVANANTHAM S	560022516580	24

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S.No	Student Name	Registration Number	Marks secured
61	SIVASRIMATHI M	560022516581	21
62	TANUSHREE S	560022516583	30
63	THIVAGARPRANESH T	560022516584	24
64	VARUN SINGH M	560022516585	27
65	VASUKI C	560022516586	21
66	VEDHAPRAKASH D	560022516587	30
67	VENKATESAN R	560022516588	24
68	VIDHYAVANI N	560022516589	21
69	VIGNESHWARAN M	560022516590	30
70	VIJAYADHARSHINI B	560022516592	24

Co-Ordinator

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ADD ON COURSE FEEDBACK FORM

Name of the student: AGALYA.A

Course & Year: B. PHARM FIRST YEAR

Registration No: 560022516503

Date: 31/12/2021

Name of the Course: SEWAGE DISPOSAL MANAGEMENT IN HOSPITALS AND INDUSTRIES

Evaluating the Following Questions

1. This Course was interesting

   a. ✓ Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. ✓ Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. ✓ Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. ✓ Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. ✓ Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. ✓ Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. ✓ Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. ✓ Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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A. Agalya
Student Signature

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ADD ON COURSE FEEDBACK FORM

Name of the student: VASUKI.C Course & Year: B.pharm First year

Registration No: ~~VASUKI.C~~ 560022516586 Date: 31/12/2022

Name of the Course: SEWAGE DISPOAL MANAGEMENT IN HOSPITAL AND IN DUSTRIES

Evaluating the Following Questions

1. This Course was interesting

   (a.) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree (b.) Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   (a.) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree (b.) Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   (a.) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree (b.) Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   (a.) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree (b.) Agree c. Moderate d. Disagree e. Strongly Disagree

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C. Vasuki
Student Signature

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ADD ON COURSE FEEDBACK FORM

Name of the student: JEGAN .J

Course & Year: B.PHARM FIRST YEAR.

Registration No: 560022516533

Date: 31.12.2022

Name of the Course: SEWAGE DISPOSAL MANAGEMENT IN HOSPITALS AND INDUSTR

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

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   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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J. Jegan
Student Signature

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ADD ON COURSE FEEDBACK FORM

Name of the student: TANU SHREE.S Course & Year: B.Pharm First Year

Registration No: 560022516583 Date: 31.12.2022

Name of the Course: SEWAGE DISPOSAL MANAGEMENT IN HOSPITAL AND INDUSTRIES

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree (b) Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   (a.) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree (b.) Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   (a.) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree (b.) Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   (a.) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree (b.) Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   (a.) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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S. Tanu

Student Signature

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ADD ON COURSE FEEDBACK FORM

Name of the student: BIRUNDHA.E Course & Year: B. Pharm first year

Registration No: ~~BIRUNDHA.E~~ 560022516513 Date: 31/12/2022

Name of the Course: ~~560022516513~~ SEWAGE DISPOSAL MANAGEMENT IN HOSPITALS AND INDUSTRIES

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree (b) Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree (b) Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   (a) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree (b) Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   (a) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree (b) Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   (a) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   (a) Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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ADD-ON COURSE - SYLLABUS

Course Code : EED2205

Course Name : EVALUATION OF ECONOMIC VALUE OF DRUG THERAPY

Date : 07.01.2023 to 25.02.2023 (All Saturday)

Course & Year : M. Pharm Second Year

Course Objective : To improve public health through rational decision making when selecting among alternative therapies, e.g., for formularies and their impact on costs and outcomes

S.No	Topic	Hours
1	**Module-I:** Pharmacoeconomics Introduction, several stages of pharmaceutical research, Importance of the clinical area, Evaluating the economic value of drug therapy.	7
2	**Module-II:** Cost-of-illness analysis, Budget-impact analysis, Cost-minimization analysis, Cost-effectiveness analysis, Cost-utility analysis, Cost-consequence analysis, Cost-benefit analysis.	9
3	**Module-III:** Regardless of their structural form, several similarities across healthcare decision analyses exist, Application of Pharmacoeconomics	6
4	**Module-IV:** Principles, Methods and Economic Evaluation of Drug Therapies, Needs and ChallengesMulti-factorial Variability of Drug Pricing, Pharmacoeconomic Challenges, Pharmacoeconomic Evaluations and Components, Fundamentals Types of Cost, Types of pharmacoeconomic studies. Methods of Pharmacoeconomic Evaluation, Guidelines for Pharmacoeconomics Evaluations.	10

Course Outcome:

After the successful completion of this course, the student shall be able to:

- Pharmacoeconomics analysis is important for inclusion in formularies or coverage by the drug insurance companies.
- It assesses therapeutic advantages and disadvantages of the drug and cost-effectiveness of the drug relative to accepted therapy

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ADD-ON COURSE NAME: EVALUATION OF ECONOMIC VALUE OF DRUG THERAPY

Course Code: EED2205

RESOURCE PERSON



Name	: Dr. S. MOHANRAJ
Qualification	: M. Pharm., Ph.D.,
Designation	: Professor
Department	: Pharmacology
Organization	: Vellalar College of Pharmacy, Erode, Tamilnadu.
Area of Specialization	: Pharmacology & Toxicology, Pharmacovigilance, Clinical Trail, Medical Coding, Pharmacotherapeutics.
Phone number	: +91 99947 09756
Mail-ID	: ksmohanraj08@gmail.com
Experience	: 10 Year 08 Months

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ADD-ON COURSE NAME: EVALUATION OF ECONOMIC VALUE OF DRUG THERAPY

Course Code: EED2205

RESOURCE PERSON



Name	: Mr. G. M. SIVAKUMAR
Qualification	: M. Pharm.,
Designation	: Associate Professor
Department	: Pharmacology
Organization	: JKK Munirajah Institute of Health Sciences College of Pharmacy, Erode, Tamilnadu.
Area of Specialization	: Pharmacology, Pharmacovigilance, Clinical Trail, Medical Coding, Pharmacotherapeutics, Human Anatomy and Physiology.
Phone number	: +91 99421 43001
Mail-ID	: sivakumar@jkkmihscp.org
Experience	: 08 Years 01 Months

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ADD-ON COURSE - SCHEDULE

Course Code : EED2205

Course Name : EVALUATION OF ECONOMIC VALUE OF DRUG THERAPY

Date : 07.01.2023 to 25.02.2023 (All Saturday)

Course & Year : M. Pharm Second Year

S. No	Topic	Hours
1	UNIT-I: Pharmacoeconomics introduction, Several stages of pharmaceutical research, Importance of the clinical area, Evaluating the economic value of drug therapy	07.01.2023 Dr. S. Mohanraj & Mr. G. M. Sivakumar
2	UNIT-II: Cost-of-illness analysis, Budget-impact analysis, Cost minimization analysis, Cost-effectiveness analysis, Cost-utility analysis, Cost-consequence analysis, Cost-benefit analysis	21.01.2023 Dr. S. Mohanraj & Mr. G. M. Sivakumar
3	UNIT-III: Regardless of their structural form, several similarities across, healthcare decision analyses exist, Application of pharmacoeconomics	28.01.2023 Dr. S. Mohanraj & Mr. G. M. Sivakumar
4	UNIT IV: Principles, Methods and Economic Evaluation of Drug Therapies, Needs and ChallengesMulti-factorial Variability of Drug Pricing,	11.02.2023 Dr. S. Mohanraj & Mr. G. M. Sivakumar
5	Pharmacoeconomic Challenges, Pharmacoeconomic Evaluations and Components, Fundamentals Types of Cost, Types of pharmacoeconomic studies. Methods of Pharmacoeconomic Evaluation, Guidelines for Pharmacoeconomics Evaluations	25.02.2023 Dr. S. Mohanraj & Mr. G. M. Sivakumar

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EVALUATION OF ECONOMIC VALUE OF DRUG THERAPY (EED2205)

Name of Student: PRATHEEPA . S
Course & Year: M.Pharm Second year
Registration No: 261121516507
Semester:
Date: 25.02.2023
Marks Secured:

24/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. What is drug repurposing primarily focused on?

a) Developing entirely new drugs
b) Finding new therapeutic uses for existing drugs ✓
c) Promoting over-the-counter medications
d) Creating brand-new pharmaceutical companies

2. What advantage does drug repurposing offer over developing entirely new drugs?

a) Lower safety concerns
b) Faster clinical implementation
c) Reduced intellectual property issues
d) All of the above ✓

3. which of the following is a computational approach used in drug repurposing?

a) Testing drugs in clinical trials
b) Analyzing drug databases
c) Developing new chemical compounds ✗
d) Conducting large-scale experiments

4. What is the process of molecular docking used for in drug repurposing?

a) Creating new chemical compounds
b) Determining drug safety
c) Identifying potential drug-protein interactions ✓
d) Patenting existing drugs

5. In drug repurposing, what are experimental studies typically focused on?

a) Developing new drugs
b) Analyzing drug databases
c) Testing existing drugs on different diseases ✓
d) Obtaining intellectual property rights

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6. Which drug was originally used as a pain reliever but has been repurposed for cardiovascular disease prevention?

a) Aspirin

b) Ibuprofen

c) Paracetamol

d) Morphine

7. Thalidomide has been repurposed for the treatment of which conditions?

a) Cancer

b) Diabetes

c) Multiple myeloma and leprosy

d) Alzheimer's disease

8. What is a significant challenge in drug repurposing related to legal rights and ownership?

a) Ensuring safety and efficacy

b) Finding funding

c) Intellectual property issues

d) Computational analysis

9. What is a key consideration in ensuring the safety and efficacy of repurposed drugs for new indications?

a) Regulatory approval

b) Minimal side effects

c) High cost of production

d) Patent protection

10. How is drug repurposing expected to evolve in the future with advances in technology?

a) It will become less common

b) It will primarily focus on creating new chemical compounds

c) It is likely to become more common with advances in data analytics and drug discovery methods

d) It will only involve experimental studies

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EVALUATION OF ECONOMIC VALUE OF DRUG THERAPY (EED2205)

Name of Student: Devibala .N
Course & Year: M.Pharm Final Year
Registration No: 261121516502
Semester:
Date: 25/02/2023
Marks Secured:

Answer All Multiple-Choice Questions (10 × 3 = 30)

24/30

1. What is drug repurposing primarily focused on?

a) Developing entirely new drugs
(b) Finding new therapeutic uses for existing drugs ✓
c) Promoting over-the-counter medications
d) Creating brand-new pharmaceutical companies

2. What advantage does drug repurposing offer over developing entirely new drugs?

a) Lower safety concerns
b) Faster clinical implementation
c) Reduced intellectual property issues
(d) All of the above ✓

3. which of the following is a computational approach used in drug repurposing?

a) Testing drugs in clinical trials
(b) Analyzing drug databases ✓
c) Developing new chemical compounds
d) Conducting large-scale experiments

4. What is the process of molecular docking used for in drug repurposing?

a) Creating new chemical compounds
b) Determining drug safety
(c) Identifying potential drug-protein interactions ✓
d) Patenting existing drugs

5. In drug repurposing, what are experimental studies typically focused on?

a) Developing new drugs
b) Analyzing drug databases
(c) Testing existing drugs on different diseases ✓
d) Obtaining intellectual property rights

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6. Which drug was originally used as a pain reliever but has been repurposed for cardiovascular disease prevention?

(a) Aspirin

b) Ibuprofen

c) Paracetamol

d) Morphine

7. Thalidomide has been repurposed for the treatment of which conditions?

a) Cancer

b) Diabetes

(c) Multiple myeloma and leprosy

d) Alzheimer's disease

8. What is a significant challenge in drug repurposing related to legal rights and ownership?

(a) Ensuring safety and efficacy

b) Finding funding

c) Intellectual property issues

d) Computational analysis

9. What is a key consideration in ensuring the safety and efficacy of repurposed drugs for new indications?

a) Regulatory approval

b) Minimal side effects

(c) High cost of production

d) Patent protection

10. How is drug repurposing expected to evolve in the future with advances in technology?

a) It will become less common

b) It will primarily focus on creating new chemical compounds

(c) It is likely to become more common with advances in data analytics and drug discovery methods

d) It will only involve experimental studies

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EVALUATION OF ECONOMIC VALUE OF DRUG THERAPY (EED2205)

Name of Student: LOGESH.E
Registration No: 261121650H
Date: 25.02.2023

Course & Year: M.Pharm Second year
Semester:
Marks Secured:

Answer All Multiple-Choice Questions (10 × 3 = 30)

24/30

1. What is drug repurposing primarily focused on?

a) Developing entirely new drugs
b) Finding new therapeutic uses for existing drugs ✓
c) Promoting over-the-counter medications
d) Creating brand-new pharmaceutical companies

2. What advantage does drug repurposing offer over developing entirely new drugs?

a) Lower safety concerns
b) Faster clinical implementation
c) Reduced intellectual property issues ✓
d) All of the above

3. which of the following is a computational approach used in drug repurposing?

a) Testing drugs in clinical trials
b) Analyzing drug databases ✓
c) Developing new chemical compounds
d) Conducting large-scale experiments

4. What is the process of molecular docking used for in drug repurposing?

a) Creating new chemical compounds
b) Determining drug safety
c) Identifying potential drug-protein interactions ✓
d) Patenting existing drugs

5. In drug repurposing, what are experimental studies typically focused on?

a) Developing new drugs
b) Analyzing drug databases ✓
c) Testing existing drugs on different diseases
d) Obtaining intellectual property rights

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6. Which drug was originally used as a pain reliever but has been repurposed for cardiovascular disease prevention?

a) Aspirin

b) Ibuprofen

c) Paracetamol

d) Morphine

7. Thalidomide has been repurposed for the treatment of which conditions?

a) Cancer

b) Diabetes

c) Multiple myeloma and leprosy

d) Alzheimer's disease

8. What is a significant challenge in drug repurposing related to legal rights and ownership?

a) Ensuring safety and efficacy

b) Finding funding

c) Intellectual property issues

d) Computational analysis

9. What is a key consideration in ensuring the safety and efficacy of repurposed drugs for new indications?

a) Regulatory approval

b) Minimal side effects

c) High cost of production

d) Patent protection

10. How is drug repurposing expected to evolve in the future with advances in technology?

a) It will become less common

b) It will primarily focus on creating new chemical compounds

c) It is likely to become more common with advances in data analytics and drug discovery methods

d) It will only involve experimental studies

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EVALUATION OF ECONOMIC VALUE OF DRUG THERAPY (EED2205)

Name of Student: G. Vasudevan **Course & Year:**

Registration No: 261121516611 **Semester:**

Date: 25/2/2023 **Marks Secured:**

27/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. What is drug repurposing primarily focused on?

a) Developing entirely new drugs

b) Finding new therapeutic uses for existing drugs ✓

c) Promoting over-the-counter medications

d) Creating brand-new pharmaceutical companies

2. What advantage does drug repurposing offer over developing entirely new drugs?

a) Lower safety concerns

b) Faster clinical implementation

c) Reduced intellectual property issues

d) All of the above ✓

3. which of the following is a computational approach used in drug repurposing?

a) Testing drugs in clinical trials

b) Analyzing drug databases ✓

c) Developing new chemical compounds

d) Conducting large-scale experiments

4. What is the process of molecular docking used for in drug repurposing?

a) Creating new chemical compounds

b) Determining drug safety

c) Identifying potential drug-protein interactions ✓

d) Patenting existing drugs

5. In drug repurposing, what are experimental studies typically focused on?

a) Developing new drugs

b) Analyzing drug databases

c) Testing existing drugs on different diseases ✓

d) Obtaining intellectual property rights

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6. Which drug was originally used as a pain reliever but has been repurposed for cardiovascular disease prevention?

a) Aspirin

b) Ibuprofen

c) Paracetamol

d) Morphine

7. Thalidomide has been repurposed for the treatment of which conditions?

a) Cancer

b) Diabetes

c) Multiple myeloma and leprosy

d) Alzheimer's disease

8. What is a significant challenge in drug repurposing related to legal rights and ownership?

a) Ensuring safety and efficacy

b) Finding funding

c) Intellectual property issues

d) Computational analysis

9. What is a key consideration in ensuring the safety and efficacy of repurposed drugs for new indications?

a) Regulatory approval

b) Minimal side effects

c) High cost of production

d) Patent protection

10. How is drug repurposing expected to evolve in the future with advances in technology?

a) It will become less common

b) It will primarily focus on creating new chemical compounds

c) It is likely to become more common with advances in data analytics and drug discovery methods

d) It will only involve experimental studies

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EVALUATION OF ECONOMIC VALUE OF DRUG THERAPY (EED2205)

Name of Student: Rajeshwari. MK
Course & Year: M. Pharm secondyear
Registration No: 261121516509
Semester:
Date: 25.2.23
Marks Secured:

Answer All Multiple-Choice Questions (10 × 3 = 30)

24/30

1. What is drug repurposing primarily focused on?

a) Developing entirely new drugs
b) Finding new therapeutic uses for existing drugs ✓
c) Promoting over-the-counter medications
d) Creating brand-new pharmaceutical companies

2. What advantage does drug repurposing offer over developing entirely new drugs?

a) Lower safety concerns
b) Faster clinical implementation
c) Reduced intellectual property issues ✓
d) All of the above

3. which of the following is a computational approach used in drug repurposing?

a) Testing drugs in clinical trials
b) Analyzing drug databases
c) Developing new chemical compounds ✗
d) Conducting large-scale experiments

4. What is the process of molecular docking used for in drug repurposing?

a) Creating new chemical compounds
b) Determining drug safety
c) Identifying potential drug-protein interactions ✓
d) Patenting existing drugs

5. In drug repurposing, what are experimental studies typically focused on?

a) Developing new drugs
b) Analyzing drug databases
c) Testing existing drugs on different diseases ✓
d) Obtaining intellectual property rights

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6. Which drug was originally used as a pain reliever but has been repurposed for cardiovascular disease prevention?

a) Aspirin
b) Ibuprofen
c) Paracetamol
d) Morphine

7. Thalidomide has been repurposed for the treatment of which conditions?

a) Cancer
b) Diabetes
c) Multiple myeloma and leprosy
d) Alzheimer's disease

8. What is a significant challenge in drug repurposing related to legal rights and ownership?

a) Ensuring safety and efficacy
b) Finding funding
c) Intellectual property issues
d) Computational analysis

9. What is a key consideration in ensuring the safety and efficacy of repurposed drugs for new indications?

a) Regulatory approval
b) Minimal side effects
c) High cost of production
d) Patent protection

10. How is drug repurposing expected to evolve in the future with advances in technology?

a) It will become less common
b) It will primarily focus on creating new chemical compounds
c) It is likely to become more common with advances in data analytics and drug discovery methods
d) It will only involve experimental studies

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ADD-ON COURSE: ANSWER KEY

Course Code : EED2205

Course Name : EVALUATION OF ECONOMIC VALUE OF DRUG THERAPY

Date : 07.01.2023 to 25.02.2023 (All Saturday)

Course & Year : M. Pharm Second Year

ANSWER KEY

1. Answer: b) Finding new therapeutic uses for existing drugs
2. Answer: d) All of the above
3. Answer: b) Analyzing drug databases
4. Answer: c) Identifying potential drug-protein interactions
5. Answer: c) Testing existing drugs on different diseases
6. Answer: a) Aspirin
7. Answer: c) Multiple myeloma and leprosy
8. Answer: c) Intellectual property issues
9. Answer: a) Regulatory approval
10. Answer: c) It is likely to become more common with advances in data analytics and drug discovery methods

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MARK STATEMENT

Course Code : EED2205

Course Name : EVALUATION OF ECONOMIC VALUE OF DRUG THERAPY

Date : 07.01.2023 to 25.02.2023 (All Saturday)

Course & Year : M. Pharm Second Year

S.No	Student Name	Registration Number	Marks secured
1	BHARANI T	261121516501	27
2	DEVI BALA N	261121516502	24
3	KAVIYA K	261121516503	27
4	LOGESH E	261121516504	24
5	MANIMEKALA K	261121516505	27
6	PRATHEEPA S	261121516507	27
7	PREETHI R	261121516508	24
8	RAJESHWARI M K	261121516509	24
9	VASUDEVAN G	261121516511	27
10	VANATHI B	261221516502	27

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ADD ON COURSE FEEDBACK FORM

Name of the student: VANATHI B Course & Year: M.pharm Second year

Registration No: 261221516502 Date: 25/02/2023

Name of the Course: Evaluation of Economic valu of Drug therapy [EED2205]

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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ADD ON COURSE FEEDBACK FORM

Name of the student: Kavi ya . K Course & Year: M. pharm Second year

Registration No: 26112151 6503 Date: 25/02/2023

Name of the Course: Evaluation of Economic Value of Drug Therapy [EED2205]

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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5. The subject matter was presented effectively

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K. Kavi ya
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ADD ON COURSE FEEDBACK FORM

Name of the student: Preethi.R

Course & Year: M.Pharm Second Year

Registration No: 261121516508

Date: 25/02/2023

Name of the Course: Evaluation of Economic value of Drug therapy [EED2205]

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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R. Preethi.
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ADD ON COURSE FEEDBACK FORM

Name of the student: Vanathi B Course & Year: M pharm second year

Registration No: 261221516502 Date: 25.02.2023

Name of the Course: Evaluation of economic value of drug therapy

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

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7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

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ADD ON COURSE FEEDBACK FORM

Name of the student: BHARANI.T Course & Year: M.Pharm Second ye

Registration No: 261121516501 Date: 25.02.2023

Name of the Course: EVALUATION OF ECONOMIC VALUE OF DRUG THERAPY

Evaluating the Following Questions [EED2205]

1. This Course was interesting

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2. Was this course useful

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ADD-ON COURSE - SYLLABUS

Course Code : DID2206

Course Name : DOSAGE INDIVIDUALIZATION: INTEGRATION OF PHARMACOMETRICS IN CLINICAL PRACTICE

Date : 07.01.2023 to 25.02.2023 (All Saturday)

Course & Year : M. Pharm First Year

Course Objective : The integration of pharmacometrics in clinical practice with a focus on dosage individualization aims to move away from a one-size-fits-all approach to drug therapy. Instead, it strives to consider individual patient characteristics to optimize treatment outcomes, minimize risks, and improve the overall efficiency and safety of healthcare delivery

S. No	Topic	Hours
1	**Module-I:** Drug development and regulatory application, Information to Support the Drug Discovery and Development Processes, Information to support a determination of safety and efficacy.	8
2	**Module-**II: Dose-concentration-response relationships, And effects over time, Dose and Concentration-Time Relationships, Concentration-Response Relationships.	10
3	**Module-III:** Designs of exposure-response studies, Population vs. Individual Exposure-Response, Measuring Systemic Exposure, Measuring Response.	9
4	**Module-IV:** Modeling of exposure-response relationships, General Considerations, Modeling Strategy.	5

Course Outcome:

After the successful completion of this course, the student shall be able to:

1. Pharmacometrics is a field that uses mathematical models to describe and predict how drugs are absorbed, distributed, metabolized, and eliminated in the body.
2. By integrating pharmacometrics into clinical practice, healthcare providers can optimize drug therapy for each patient, taking into account factors such as age, sex, genetics, renal function, and other individual characteristics.

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ADD-ON COURSE NAME: DOSAGE INDIVIDUALIZATION: INTEGRATION OF PHARMACOMETRICS IN CLINICAL PRACTICE

Course Code: DID2206

RESOURCE PERSON



Name	: Mr. S. DEEPANCHAKKARAVARTHI
Qualification	: M. Pharm.,
Designation	: Assistant Professor
Department	: Pharmacology
Organization	: SSM College of Pharmacy, Jambai, Erode, Tamilnadu.
Area of Specialization	: Pharmacology & Toxicology, Pharmacovigilance, Clinical Trail, Medical Coding, Pharmacotherapeutics.
Phone number	: +91 79041 93946
Mail-ID	: chakrups@gmail.com
Experience	: 03 Year 05 Months

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ADD-ON COURSE NAME: DOSAGE INDIVIDUALIZATION: INTEGRATION OF PHARMACOMETRICS IN CLINICAL PRACTICE

Course Code: DID2206

RESOURCE PERSON



Name	: Ms. M. REVATHI
Qualification	: M. Pharm.,
Designation	: Assistant Professor
Department	: Pharmacology
Organization	: JKK Munirajah Institute of Health Sciences College of Pharmacy, Erode, Tamilnadu.
Area of Specialization	: Pharmacology, Pharmacovigilance, Pharmacotherapeutics, Human Anatomy and Physiology.
Phone number	: +91 98425 31241
Mail-ID	: revathi@jkkmihscp.org
Experience	: 04 Years 08 Months

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ADD-ON COURSE - SCHEDULE

Course Code : DID2206

Course Name : DOSAGE INDIVIDUALIZATION: INTEGRATION OF PHARMACOMETRICS IN CLINICAL PRACTICE

Date : 07.01.2023 to 25.02.2023 (All Saturday)

Course & Year : M. Pharm First Year

S. No	Topic	Hours
1	Unit-I: DRUG DEVELOPMENT AND REGULATORY APPLICATION Information to Support the Drug Discovery and Development Processes Information to support a determination of safety and efficacy	07.01.2023 Mr. S. Deepanchakkaravarthi & Ms. M. Revathi
2	Unit-II: DOSE-CONCENTRATION-RESPONSE RELATIONSHIPS And effects over time, Dose and Concentration-Time Relationships, Concentration-Response Relationships	21.01.2023 Mr. S. Deepanchakkaravarthi & Ms. M. Revathi
3	Unit-III: DESIGNS OF EXPOSURE-RESPONSE STUDIES Population vs. Individual Exposure-Response,	28.01.2023 Mr. S. Deepanchakkaravarthi & Ms. M. Revathi
4	Measuring Systemic Exposure, Measuring Response	11.02.2023 Mr. S. Deepanchakkaravarthi & Ms. M. Revathi
5	UNIT-IV: MODELING OF EXPOSURE-RESPONSE RELATIONSHIPS General Considerations, Modeling Strategy	25.02.2023 Mr. S. Deepanchakkaravarthi & Ms. M. Revathi

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DOSAGE INDIVIDUALIZATION: INTEGRATION OF PHARMACOMETRICS IN CLINICAL PRACTICE (DID2206)

Name of Student: AMARNATH
Registration No: 261122516501
Date: 25/02/2023
Course & Year: M.PHARM I-YEAR
Semester: I-SEM
Marks Secured: 30/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. What is pharmacometrics?

A) The study of pharmacokinetics only.
B) A field focused on optimizing drug therapy using mathematical models.
C) The study of drug manufacturing processes.
D) The study of drug interactions with food.

2. Which data is primarily used in pharmacometrics to build models for drug dosing?

A) Genetic data.
B) Clinical trial data.
C) Social data.
D) Weather data.

3. What is the main goal of pharmacokinetic modeling?

A) To study the psychological effects of drugs.
B) To describe how the body absorbs, distributes, metabolizes, and excretes drugs.
C) To develop new drugs.
D) To study drug interactions with other substances.

4. Pharmacodynamics in pharmacometrics refers to:

A) The study of drug manufacturing processes.
B) The study of how drugs affect the body.
C) The study of drug interactions.
D) The study of drug interactions with food.

5. What is a population pharmacokinetic model used for?

A) Customizing drug dosages for individual patients.
B) Determining the cost of drug production.
C) Designing clinical trials.
D) Understanding drug-drug interactions.

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6. What does the term "PK/PD modeling" refer to in pharmacometrics?

A) The study of psychokinetics and psychodynamics of drugs.

B) The integration of pharmacokinetic and pharmacodynamic data to optimize dosing.

C) The measurement of patient satisfaction with medications.

D) The study of public knowledge about pharmacology.

7. In pharmacometrics, what does the term "exposure-response relationship" refer to?

A) The relationship between drug exposure and adverse effects.

B) The relationship between drug exposure and patient demographics.

C) The relationship between drug exposure and drug manufacturing.

D) The relationship between drug exposure and drug cost.

8. Which of the following is a key advantage of using pharmacometrics in drug development?

A) Reducing the need for clinical trials.

B) Increasing the cost-effectiveness of drug development.

C) Enhancing the safety and efficacy of drugs.

D) Eliminating the need for drug labeling.

9. What role does modeling and simulation play in pharmacometrics?

A) They are primarily used for marketing drugs to healthcare providers.

B) They replace the need for clinical trials.

C) They help predict drug behavior and optimize dosing regimens.

D) They are used to determine the shelf life of drugs.

10. Which of the following is NOT a type of pharmacometric modeling?

A) Population pharmacokinetic modeling.

B) Physiological pharmacokinetic modeling.

C) Nonlinear mixed-effects modeling.

D) Genetic pharmacodynamic modeling.

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DOSAGE INDIVIDUALIZATION: INTEGRATION OF PHARMACOMETRICS IN CLINICAL PRACTICE (DID2206)

Name of Student: SATHISKUMAR.R
Registration No: 261122516504
Date: 25.02.2023
Course & Year: M.PHARM I Year
Semester: I-SEM
Marks Secured: 27/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. What is pharmacometrics?

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C) The study of drug manufacturing processes.
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6. What does the term "PK/PD modeling" refer to in pharmacometrics?

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C) Nonlinear mixed-effects modeling.

D) Genetic pharmacodynamic modeling.

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DOSAGE INDIVIDUALIZATION: INTEGRATION OF PHARMACOMETRICS IN CLINICAL PRACTICE (DID2206)

Name of Student: SIVA BHARATHI
Registration No: 261122516505
Date: 25.2.23

Course & Year:
Semester:
Marks Secured: 21/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. What is pharmacometrics?

A) The study of pharmacokinetics only.
B) A field focused on optimizing drug therapy using mathematical models.
C) The study of drug manufacturing processes.
D) The study of drug interactions with food.

2. Which data is primarily used in pharmacometrics to build models for drug dosing?

A) Genetic data.
B) Clinical trial data.
C) Social data.
D) Weather data.

3. What is the main goal of pharmacokinetic modeling?

A) To study the psychological effects of drugs.
B) To describe how the body absorbs, distributes, metabolizes, and excretes drugs.
C) To develop new drugs.
D) To study drug interactions with other substances.

4. Pharmacodynamics in pharmacometrics refers to:

A) The study of drug manufacturing processes.
B) The study of how drugs affect the body.
C) The study of drug interactions.
D) The study of drug interactions with food.

5. What is a population pharmacokinetic model used for?

A) Customizing drug dosages for individual patients.
B) Determining the cost of drug production.
C) Designing clinical trials.
D) Understanding drug-drug interactions.

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6. What does the term "PK/PD modeling" refer to in pharmacometrics?

A) The study of psychokinetics and psychodynamics of drugs.

B) The integration of pharmacokinetic and pharmacodynamic data to optimize dosing.

C) The measurement of patient satisfaction with medications.

D) The study of public knowledge about pharmacology.

7. In pharmacometrics, what does the term "exposure-response relationship" refer to?

A) The relationship between drug exposure and adverse effects.

B) The relationship between drug exposure and patient demographics.

C) The relationship between drug exposure and drug manufacturing.

D) The relationship between drug exposure and drug cost.

8. Which of the following is a key advantage of using pharmacometrics in drug development?

A) Reducing the need for clinical trials.

B) Increasing the cost-effectiveness of drug development.

C) Enhancing the safety and efficacy of drugs.

D) Eliminating the need for drug labeling.

9. What role does modeling and simulation play in pharmacometrics?

A) They are primarily used for marketing drugs to healthcare providers.

B) They replace the need for clinical trials.

C) They help predict drug behavior and optimize dosing regimens.

D) They are used to determine the shelf life of drugs.

10. Which of the following is NOT a type of pharmacometric modeling?

A) Population pharmacokinetic modeling.

B) Physiological pharmacokinetic modeling.

C) Nonlinear mixed-effects modeling.

D) Genetic pharmacodynamic modeling.

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DOSAGE INDIVIDUALIZATION: INTEGRATION OF PHARMACOMETRICS IN CLINICAL PRACTICE (DID2206)

Name of Student: Deepika.P
Registration No: 261122516502
Date: 25/02/2023
Course & Year: M.pharm I Yr
Semester: I Sem
Marks Secured: 24/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. What is pharmacometrics?

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DOSAGE INDIVIDUALIZATION: INTEGRATION OF PHARMACOMETRICS IN CLINICAL PRACTICE (DID2206)

Name of Student: Tamilarasan. K
Registration No: 211225116506
Date: 25.02.23
Course & Year: M.Pharm I yr
Semester: IST Sem.
Marks Secured: 30/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. What is pharmacometrics?

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D) Understanding drug-drug interactions.

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PHARMACEUTICAL PATENTS AND INTELLECTUAL PROPERTY STRATEGIES

(PPI2201)

Name of Student: SANJAY .K **Course & Year:** B.Pharm Final year

Registration No: 561994075 **Semester:**

Date: 30.01.2022 **Marks Secured:** 21/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. **What is the primary purpose of obtaining a pharmaceutical patent?**
   a. To promote generic drug competition
   (b) To protect the investment in research and development
   c. To limit access to essential medicines
   d. To encourage international drug donations
2. **Which type of intellectual property protection grants exclusive rights to the inventor for a limited period, typically 20 years?**
   a. Copyright
   b. Trademark
   c. Trade secret
   (d.) Patent
3. **Which international agreement sets minimum standards for the protection of intellectual property, including pharmaceutical patents?**
   a. Paris Convention for the Protection of Industrial Property
   b. Kyoto Protocol
   (c.) TRIPS Agreement
   d. Vienna Convention on the Law of Treaties
4. **What is the term for the period during which a pharmaceutical patent holder has the exclusive right to make, use, and sell the patented invention?**
   a. Lifetime
   (b.) Indefinite
   c. Patent term
   d. Monopoly period

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5. **What strategy is employed by some pharmaceutical companies to extend the exclusivity of a drug beyond the initial patent term?**
   a. Patent trolling
   b. Generic substitution
   c. Ever greening
   d. Parallel importing

6. **Which of the following is NOT a way that a pharmaceutical company can protect its intellectual property?**
   a. Filing for multiple patents on different aspects of a drug
   b. Entering into licensing agreements with competitors
   c. Seeking regulatory exclusivity through FDA approvals
   d. Publishing all research findings in the public domain

7. **What is the purpose of a "patent cliff" in the pharmaceutical industry?**
   a. To promote innovation and competition
   b. To extend the patent term of a drug
   c. To mark the end of a drug's exclusivity, leading to generic competition
   d. To facilitate international patent harmonization

8. **Which entity grants and manages patents for inventions in the United States?**
   a. World Trade Organization (WTO)
   b. United States Patent and Trademark Office (USPTO)
   c. European Patent Office (EPO)
   d. International Trade Commission (ITC)

9. **What is the primary objective of intellectual property strategies in the pharmaceutical industry?**
   a. To increase drug prices
   b. To hinder global access to medicines
   c. To protect and incentivize innovation
   d. To promote counterfeiting

10. **Which of the following is a form of intellectual property protection that does not require registration and relies on keeping information confidential?**
    a. Trademark
    b. Patent
    c. Copyright
    d. Trade secret

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ADD-ON COURSE: ANSWER KEY

Course Code : DID2206

Course Name : DOSAGE INDIVIDUALIZATION: INTEGRATION OF PHARMACOMETRICS IN CLINICAL PRACTICE

Date : 07.01.2023 to 25.02.2023 (All Saturday)

Course & Year : M. Pharm First Year

ANSWER KEY

1. B) A field focused on optimizing drug therapy using mathematical models.
2. B) Clinical trial data.
3. B) To describe how the body absorbs, distributes, metabolizes, and excretes drugs.
4. B) The study of how drugs affect the body.
5. A) Customizing drug dosages for individual patients.
6. B) The integration of pharmacokinetic and pharmacodynamic data to optimize dosing.
7. A) The relationship between drug exposure and adverse effects.
8. C) Enhancing the safety and efficacy of drugs.
9. C) They help predict drug behavior and optimize dosing regimens.
10. D) Genetic pharmacodynamic modeling.

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MARK STATEMENT

Course Code : DID2206

Course Name : DOSAGE INDIVIDUALIZATION: INTEGRATION OF PHARMACOMETRICS IN CLINICAL PRACTICE

Date : 07.01.2023 to 25.02.2023 (All Saturday)

Course & Year : M. Pharm First Year

S.No	Student Name	Registration Number	Mark Secured
1	AMARNATH V	261122516501	30
2	DEEPIKA P	261122516502	24
3	NADIMA RASHEED K	261122516503	27
4	SATHISHKUMAR R	261122516504	27
5	SIVA BHARATHI P	261122516505	21
6	TAMILARASAN K	261122516506	30
7	THAMARAISELVI L	261122516507	27

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ADD ON COURSE FEEDBACK FORM

Name of the student: SIVA BHARATHI . P Course & Year: M pharm , 1st year

Registration No: 26112251 6505 Date: 25.02.2023

Name of the Course: DOSAGE INDIVIDUALIZATION : INTEGRATION OF PHARMACOMETRICS IN CLINICAL PRACTICE

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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Siva Bharathi
Student Signature

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ADD ON COURSE FEEDBACK FORM

Name of the student: DEEPIKA. P

Course & Year: M. PHARM FIRST YEAR

Registration No: 261122516502

Date: 25.02.2023

Name of the Course: DOSAGE INDIVIDUALIZATION: INTEGRATION OF PHARMACOMETRIC IN CLINICAL PRACTICE

Evaluating the Following Questions

1. This Course was interesting

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ADD ON COURSE FEEDBACK FORM

Name of the student: AMARNATH.V Course & Year: M.Pharm First year

Registration No: 261122516501 Date: 25.02.2023

Name of the Course: DOSAGE INDIVIDUALIZATION : INTEGRATION OF PHARMACOMETRICS IN CLINICAL PRACTICE

Evaluating the Following Questions

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Amarnath.
Student Signature

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ADD ON COURSE FEEDBACK FORM

Name of the student: NADIMA RASHEED - K Course & Year: M.Pharm First year

Registration No: 261122516503 Date: 25.02.2023

Name of the Course: DOSAGE INDIVIDUALIZATION : INTEGRATION OF PHARMACOMETRI

Evaluating the Following Questions IN CLINICAL PRACTICE

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Nadima

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ADD ON COURSE FEEDBACK FORM

Name of the student: TAMILARASAN . K. Course & Year: M.PHARM FIRST YEAR

Registration No: 261122516506 Date: 25.02.2023.

Name of the Course: DOSAGE INDIVIDUALIZATION INTEGRATION OF PHARMACOMETRICS IN CLINICAL PRACTICE

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   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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Tamilarasan
Student Signature

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ADD-ON COURSE - SYLLABUS

Course Code : PCP2207

Course Name : PHARMACEUTICAL METABOLITES

Date : 11.03.2023 to 22.04.2023 (All Saturday)

Course & Year : Pharm. D Third Year

Course Objective : The investigation of pharmaceutical metabolites is crucial for a comprehensive understanding of drug behaviour in the body.

S.No	Topic	Hours
1	**Module-I: DEFINITION**–Consequences, Types	9
2	**Module-II: METABOLIZING ENZYMES**-Microsomal enzymes, Non microsomal enzymes	10
3	**Module-III: METABOLIC REACTIONS-** Oxidation reactions, reduction reactions, Hydrolytic reactions. Factors affecting drug metabolism.	12

Course Outcome:

After the successful completion of this course, the student shall be able to:

1. Acquire high knowledge about the pharmaceutical metabolites.
2. Have a critical way of thinking based on current health care development.

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ADD-ON COURSE NAME: PHARMACEUTICAL METABOLITES

Course Code: PCP2207

RESOURCE PERSON



Name	: DR. R. THIRUMOORTHI
Qualification	: M. Pharm., Ph.D.,
Designation	: Professor
Department	: Pharmaceutical Chemistry
Organization	: Vivekanandha Pharmacy College for Women, Sankari, Tamilnadu.
Area of Specialization	: Pharmaceutical Organic Chemistry, Pharmaceutical Inorganic Chemistry, Medicinal Chemistry, Natural Products, Process Chemistry.
Phone number	: +91 98659 14766
Mail-ID	: thirusamy@yahoo.com
Experience	: 13 Year 00 Months

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ADD-ON COURSE NAME: PHARMACEUTICAL METABOLITES

Course Code: PCP2207

RESOURCE PERSON



Name	: DR. P. MOHANRAJ
Qualification	: M. Pharm., Ph.D.,
Designation	: Professor
Department	: Pharmaceutical Chemistry
Organization	: JKK Munirajah Institute of Health Sciences College of Pharmacy, Erode, Tamilnadu.
Area of Specialization	: Medicinal Chemistry, Pharmaceutical Organic Chemistry, Molecular Docking, Drug design, CADD, Researcher.
Phone number	: +91 99524 79006
Mail-ID	: mohanraj@jkkmihscp.org
Experience	: 20 Years 04 Months

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ADD-ON COURSE - SCHEDULE

Course Code : PCP2207

Course Name : PHARMACEUTICAL METABOLITES

Date : 11.03.2023 to 22.04.2023 (All Saturday)

Course & Year : Pharm. D Third Year

S. No	Topic	Hours
1	UNIT-I: DEFINITION–Consequences, Types	11.03.2023 DR. R. Thirumoorthi & DR. P. Mohanraj
2	UNIT-II: METABOLIZING ENZYMES-Microsomal enzymes	18.03.2023 DR. R. Thirumoorthi & DR. P. Mohanraj
3	Non microsomal enzymes	25.03.2023 DR. R. Thirumoorthi & DR. P. Mohanraj
4	UNIT-III: METABOLIC REACTIONS- Oxidation reactions, reduction reactions, Hydrolytic reactions.	08.04.2023 DR. R. Thirumoorthi & DR. P. Mohanraj
5	Factors affecting drug metabolism.	22.04.2023 DR. R. Thirumoorthi & DR. P. Mohanraj

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PHARMACEUTICAL METABOLITES (PCP2207)

Name of Student: JERIF SAM SC
Registration No: 38002051650 7
Date: 22.04.2023

Course & Year: Pharm.D Third Year
Semester:
Marks Secured: 27/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. What are pharmaceutical metabolites?

A) Medications used to treat metabolic disorders
B) Chemical substances produced when drugs are metabolized in the body ✓
C) Medications designed to enhance metabolism
D) Diagnostic tools for measuring metabolism

2. Which organ in the human body is primarily responsible for drug metabolism?

A) Heart
B) Kidneys
C) Liver ✓
D) Lungs

3. Why is drug metabolism important in pharmacology?

A) It helps in the synthesis of new drugs.
B) It ensures that drugs remain in the body indefinitely.
C) It can transform active drugs into inactive forms. ✓
D) It has no relevance to drug effectiveness.

4. Which enzyme system in the liver plays a major role in drug metabolism and is often referred to as the "drug-metabolizing enzyme"?

A) Cytochrome P450 ✓
B) Insulinase
C) Amylase
D) Protease

5. What is the primary purpose of Phase I drug metabolism?

A) To enhance drug bioavailability
B) To increase drug shelf life
C) To convert drugs into more potent forms
D) To make drugs more water-soluble for excretion

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6. Which of the following statements about drug metabolites is true?

A) Drug metabolites are always pharmacologically inactive.

B) Drug metabolites are the same as the parent drug in terms of chemical structure.

C) Drug metabolites are typically more potent than the parent drug.

D) Drug metabolites have no impact on drug efficacy or safety.

7. In the context of pharmaceutical metabolism, what does the term "prodrug" refer to?

A) A drug that is no longer effective

B) An inactive drug that is converted into its active form in the body

C) A drug that is eliminated from the body without metabolism

D) A drug that is used exclusively in pediatrics

8. Which route of drug administration bypasses the first-pass metabolism by the liver?

A) Oral administration

B) Intravenous (IV) injection

C) Subcutaneous injection

D) Inhalation

9. How can genetic variability in drug-metabolizing enzymes affect an individual's response to medications?

A) It has no impact on drug response.

B) It can lead to drug toxicity or lack of efficacy.

C) It ensures a consistent drug response in all individuals.

D) It only affects the absorption of medications.

10. What is the term for the process by which drug metabolites are eliminated from the body through urine or feces?

A) Excretion

B) Activation

C) Metabolization

D) Absorption

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PHARMACEUTICAL METABOLITES (PCP2207)

Name of Student: ARUN KUMAR. M
Registration No: 380020516502
Date: 22/4/23

Course & Year: Pharm. D third yea
Semester:
Marks Secured: 27/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. What are pharmaceutical metabolites?

A) Medications used to treat metabolic disorders
B) Chemical substances produced when drugs are metabolized in the body
C) Medications designed to enhance metabolism
D) Diagnostic tools for measuring metabolism

2. Which organ in the human body is primarily responsible for drug metabolism?

A) Heart
B) Kidneys
C) Liver
D) Lungs

3. Why is drug metabolism important in pharmacology?

A) It helps in the synthesis of new drugs.
B) It ensures that drugs remain in the body indefinitely.
C) It can transform active drugs into inactive forms.
D) It has no relevance to drug effectiveness.

4. Which enzyme system in the liver plays a major role in drug metabolism and is often referred to as the "drug-metabolizing enzyme"?

A) Cytochrome P450
B) Insulinase
C) Amylase
D) Protease

5. What is the primary purpose of Phase I drug metabolism?

A) To enhance drug bioavailability
B) To increase drug shelf life
C) To convert drugs into more potent forms
D) To make drugs more water-soluble for excretion

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6. Which of the following statements about drug metabolites is true?

A) Drug metabolites are always pharmacologically inactive.

(B) Drug metabolites are the same as the parent drug in terms of chemical structure.

C) Drug metabolites are typically more potent than the parent drug.

D) Drug metabolites have no impact on drug efficacy or safety.

7. In the context of pharmaceutical metabolism, what does the term "prodrug" refer to?

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(B) An inactive drug that is converted into its active form in the body

C) A drug that is eliminated from the body without metabolism

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C) Subcutaneous injection

D) Inhalation

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10. What is the term for the process by which drug metabolites are eliminated from the body through urine or feces?

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PHARMACEUTICAL METABOLITES (PCP2207)

Name of Student: SURYAPRAKASH. M
Registration No: 38002051B518
Date: 22.04.2023

Course & Year: PHARM. D THIRD YEAR
Semester:
Marks Secured: 27/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. What are pharmaceutical metabolites?

A) Medications used to treat metabolic disorders
B) Chemical substances produced when drugs are metabolized in the body ✓
C) Medications designed to enhance metabolism
D) Diagnostic tools for measuring metabolism

2. Which organ in the human body is primarily responsible for drug metabolism?

A) Heart
B) Kidneys
C) Liver ✓
D) Lungs

3. Why is drug metabolism important in pharmacology?

A) It helps in the synthesis of new drugs.
B) It ensures that drugs remain in the body indefinitely.
C) It can transform active drugs into inactive forms. ✓
D) It has no relevance to drug effectiveness.

4. Which enzyme system in the liver plays a major role in drug metabolism and is often referred to as the "drug-metabolizing enzyme"?

A) Cytochrome P450
B) Insulinase ✗
C) Amylase
D) Protease

5. What is the primary purpose of Phase I drug metabolism?

A) To enhance drug bioavailability
B) To increase drug shelf life
C) To convert drugs into more potent forms ✓
D) To make drugs more water-soluble for excretion

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6. Which of the following statements about drug metabolites is true?

A) Drug metabolites are always pharmacologically inactive.

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10. What is the term for the process by which drug metabolites are eliminated from the body through urine or feces?

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C) Metabolization

D) Absorption

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PHARMACEUTICAL METABOLITES (PCP2207)

Name of Student: NISHANTHI . M
Registration No: 38002051 65 12
Date: 02.04.2023

Course & Year: pharm. D third year
Semester:
Marks Secured: 27/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. What are pharmaceutical metabolites?

A) Medications used to treat metabolic disorders
B) Chemical substances produced when drugs are metabolized in the body
C) Medications designed to enhance metabolism
D) Diagnostic tools for measuring metabolism

2. Which organ in the human body is primarily responsible for drug metabolism?

A) Heart
B) Kidneys
C) Liver
D) Lungs

3. Why is drug metabolism important in pharmacology?

A) It helps in the synthesis of new drugs.
B) It ensures that drugs remain in the body indefinitely.
C) It can transform active drugs into inactive forms.
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4. Which enzyme system in the liver plays a major role in drug metabolism and is often referred to as the "drug-metabolizing enzyme"?

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5. What is the primary purpose of Phase I drug metabolism?

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C) To convert drugs into more potent forms
D) To make drugs more water-soluble for excretion

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PHARMACEUTICAL METABOLITES (PCP2207)

Name of Student: PRAOTHEESWARI M
Registration No: 380020516513
Date: 22.4.2023

Course & Year: Pharm.D Third Year
Semester:
Marks Secured: 24/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. What are pharmaceutical metabolites?

A) Medications used to treat metabolic disorders
B) Chemical substances produced when drugs are metabolized in the body ✓
C) Medications designed to enhance metabolism
D) Diagnostic tools for measuring metabolism

2. Which organ in the human body is primarily responsible for drug metabolism?

A) Heart
B) Kidneys
C) Liver ✓
D) Lungs

3. Why is drug metabolism important in pharmacology?

A) It helps in the synthesis of new drugs.
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4. Which enzyme system in the liver plays a major role in drug metabolism and is often referred to as the "drug-metabolizing enzyme"?

A) Cytochrome P450
B) Insulinase
C) Amylase
D) Protease

5. What is the primary purpose of Phase I drug metabolism?

A) To enhance drug bioavailability
B) To increase drug shelf life
C) To convert drugs into more potent forms
D) To make drugs more water-soluble for excretion ✓

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D) A drug that is used exclusively in pediatrics

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C) It ensures a consistent drug response in all individuals.

D) It only affects the absorption of medications.

10. What is the term for the process by which drug metabolites are eliminated from the body through urine or feces?

A) Excretion

B) Activation

C) Metabolization

D) Absorption

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ADD-ON COURSE: ANSWER KEY

Course Code : PCP2207

Course Name : PHARMACEUTICAL METABOLITES

Date : 11.03.2023 to 22.04.2023 (All Saturday)

Course & Year : Pharm. D Third Year

ANSWER KEY

1. B) Chemical substances produced when drugs are metabolized in the body
2. C) Liver
3. C) It can transform active drugs into inactive forms.
4. A) Cytochrome P450
5. D) To make drugs more water-soluble for excretion
6. A) Drug metabolites are always pharmacologically inactive.
7. B) An inactive drug that is converted into its active form in the body
8. B) Intravenous (IV) injection
9. B) It can lead to drug toxicity or lack of efficacy.
10. A) Excretion

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MARK STATEMENT

Course Code : PCP2207

Course Name : PHARMACEUTICAL METABOLITES

Date : 11.03.2023 to 22.04.2023 (All Saturday)

Course & Year : Pharm. D Third Year

S.No	Student Name	Registration Number	Mark Secured
1	ARAVINDAN C	380020516501	24
2	ARUN KUMAR M	380020516502	27
3	GURU MOORTHI N	380020516504	24
4	JANAT SELVIYA P	380020516506	27
5	JERIF SAM S C	380020516507	27
6	JINJA J	380020516508	24
7	KAVIARASAN R	380020516509	30
8	NISHANTHI M	380020516512	27
9	PRAGATHEESWARI M	380020516513	24
10	RITHIKA R P	380020516515	30
11	SAMUVEL R	380020516516	24
12	SURYAPRAKASH M	380020516518	27
13	VENKATESH E	380020516520	24
14	WINSHA MERLIN GOLD E	380020516521	27

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ADD ON COURSE FEEDBACK FORM

Name of the student: WINSHA MERLIN GOLD.E Course & Year: Pharm D Third Years

Registration No: 38002051065 21 Date: 22.04.2023

Name of the Course: Pharmaceutical metabolites

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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ADD ON COURSE FEEDBACK FORM

Name of the student: SAMUVEL - R Course & Year: Pharm.D - Third year

Registration No: 38002051651 6. Date: 22.04.2023

Name of the Course: pharmaceutical metabolites.

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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ADD ON COURSE FEEDBACK FORM

Name of the student: JINJA .J Course & Year: PHARM.D Third year

Registration No: 3800 20 516508 Date: 22.04.2023

Name of the Course: PHARMACEUTICAL METABOLITES

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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ADD ON COURSE FEEDBACK FORM

Name of the student: ARAVINDAN.C Course & Year: Pharm D. third year.

Registration No: 380020516501 Date: 22.04.2023.

Name of the Course: Pharmaceutical Metabolites

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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C. Aravind
Student Signature

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ADD ON COURSE FEEDBACK FORM

Name of the student: ARUN KUMAR.M Course & Year: PHARM.D THIRD YEAR

Registration No: 3800205165O2 Date: 22.04.2023

Name of the Course: PHARMACEUTICAL METABOLITES

Evaluating the Following Questions

1. This Course was interesting

   a. ✓ Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. ✓ Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. ✓ Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. ✓ Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. ✓ Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. ✓ Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. ✓ Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. ✓ Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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ADD-ON COURSE - SYLLABUS

Course Code : PMS2208

Course Name : PRECAUTIONS AND CONTROL OF PANDEMIC DISEASES

Date : 11.03.2023 to 22.04.2023 (All Saturday)

Course & Year : Pharm. D Second Year

Course Objective : Precautions and control measures during a pandemic are centred around protecting public health, minimizing the impact on healthcare systems, and ultimately saving lives.

S.No	Topic	Hours
1	**Module-I: Disease:** Introduction, Pandemic Disease, Objective of precaution. COVID-19	11
2	**Module-II:** Introduction and scope of the guidelines, Infection prevention and control recommendations,	10
3	**Module-III:** Health-care facility preparedness planning for acute respiratory infection epidemics, Research gaps	10

Course Outcome:

After the successful completion of this course, the student shall be able to:

1. The successful implementation of precautions and control measures for pandemic-oriented diseases can lead to reduced transmission, protection of vulnerable populations, resilience of healthcare systems, and ultimately, a quicker recovery with minimized health, economic, and societal impacts.
2. These outcomes underscore the importance of preparedness and rapid response to such health crises.

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ADD-ON COURSE NAME: PRECAUTIONS AND CONTROL OF PANDEMIC DISEASES

Course Code: PMS2208

RESOURCE PERSON



Name	: DR. M. PERIASAMY
Qualification	: M. Pharm., Ph.D.,
Designation	: Professor
Department	: Pharmacology
Organization	: JKK Munirajah Institute of Health Sciences College of Pharmacy, Erode, Tamilnadu.
Area of Specialization	: General Pharmacology, Drug discovery, ADR monitoring, Toxicology.
Phone number	: +91 94432 30618
Mail-ID	: periasamy@jkkmihscp.org
Experience	: 15 Years 04 Months

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ADD-ON COURSE NAME: PRECAUTIONS AND CONTROL OF PANDEMIC DISEASES

Course Code: PMS2208

RESOURCE PERSON



Name	: DR. S. KAMESHWARAN
Qualification	: M. Pharm., Ph.D.,
Designation	: Professor
Department	: Pharmacology
Organization	: SSM College of Pharmacy, Jambai, Erode, Tamilnadu.
Area of Specialization	: General Pharmacology, Biochemical Pharmacology, Clinical Toxicology, Pharmacodynamics, Drug Metabolism and Transporters.
Phone number	: +91 79049 00273
Mail-ID	: kamesh.pharm@gmail.com
Experience	: 11 Year 06 Months

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ADD-ON COURSE - SCHEDULE

Course Code : PMS2208

Course Name : PRECAUTIONS AND CONTROL OF PANDEMIC DISEASES

Date : 11.03.2023 to 22.04.2023 (All Saturday)

Course & Year : Pharm. D Second Year

S. No	Topic	Hours
1	UNIT-I: Introduction and Operation of Change Control Programs, Principles of Change Control, Parallel program, Company wide program	11.03.2023 DR. S. Kameshwaran & DR. M. Periasamy
2	UNIT-II: Grading the Changes, Trials, Deviations	18.03.2023 DR. S. Kameshwaran & DR. M. Periasamy
3	Change Control Committee, Documentation, Change Requests	25.03.2023 DR. S. Kameshwaran & DR. M. Periasamy
4	UNIT-III: Appendices C. CMS' Change Control Management Plan Version 1.0 D. Change Management Plan Version 1.0	08.04.2023 DR. S. Kameshwaran & DR. M. Periasamy
5	EMA Questions and Answers on Post Approval Change Management Protocols	22.04.2023 DR. S. Kameshwaran & DR. M. Periasamy

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PRECAUTIONS AND CONTROL OF PANDEMIC DISEASES (PMS2208)

Name of Student: Swetha . A
Course & Year: Pharm. D, Second Year
Registration No: 3800215165524
Semester:
Date: 22.04.2023
Marks Secured:

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. What is the primary mode of transmission for most pandemic-oriented respiratory diseases?

A. Waterborne transmission
B. Airborne transmission
C. Foodborne transmission
D. Vector-borne transmission

27/30

2. Which of the following is a crucial measure for preventing the spread of pandemic-oriented diseases like COVID-19?

A. Frequent handwashing with soap and water
B. Consuming a diet rich in vitamin C
C. Avoiding physical exercise
D. Taking antibiotics regularly

3. What is the recommended social distancing guideline during a pandemic?

A. 1 foot (30 cm)
B. 3 feet (1 meter)
C. 6 feet (2 meters)
D. 10 feet (3 meters)

4. Which of the following is a personal protective equipment (PPE) commonly used by healthcare workers to prevent the spread of pandemic-oriented diseases?

A. Jeans and a t-shirt
B. A face shield and gloves
C. Flip-flops
D. Sunglasses

5. What is the recommended way to dispose of used tissues, masks, and other personal protective equipment during a pandemic?

A. Flush them down the toilet
B. Place them in a plastic bag and throw them in the regular trash
C. Leave them on the ground
D. Recycle them

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6. Which of the following is NOT a symptom commonly associated with pandemic-oriented respiratory diseases like COVID-19?

A. Fever

B. Dry cough

C. Sneezing

D. Shortness of breath

7. What is the purpose of contact tracing during a pandemic?

A. To identify individuals at risk of contracting the disease

B. To ensure everyone gets vaccinated

C. To promote international travel

D. To stockpile medical supplies

8. Which organization is responsible for coordinating international responses to pandemics and other health emergencies?

A. United Nations (UN)

B. World Health Organization (WHO)

C. Red Cross

D. Centers for Disease Control and Prevention (CDC)

9. What is the recommended duration for self-isolation after being exposed to a pandemic-oriented disease or testing positive for it?

A. 24 hours

B. 3 days

C. 7 days

D. 14 days

10. How can vaccines contribute to the control of pandemic-oriented diseases?

A. By spreading the disease further

B. By weakening the immune system

C. By reducing the spread of the disease and protecting individuals

D. By increasing the severity of the disease

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PRECAUTIONS AND CONTROL OF PANDEMIC DISEASES (PMS2208)

Name of Student: Saranya.T **Course & Year:** Pharm.D second year

Registration No: 38002151651 9 **Semester:**

Date: 22.04.23 **Marks Secured:**

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. What is the primary mode of transmission for most pandemic-oriented respiratory diseases?

A. Waterborne transmission

B. Airborne transmission

C. Foodborne transmission

D. Vector-borne transmission

24/30

2. Which of the following is a crucial measure for preventing the spread of pandemic-oriented diseases like COVID-19?

A. Frequent handwashing with soap and water

B. Consuming a diet rich in vitamin C

C. Avoiding physical exercise

D. Taking antibiotics regularly

3. What is the recommended social distancing guideline during a pandemic?

A. 1 foot (30 cm)

B. 3 feet (1 meter)

C. 6 feet (2 meters)

D. 10 feet (3 meters)

4. Which of the following is a personal protective equipment (PPE) commonly used by healthcare workers to prevent the spread of pandemic-oriented diseases?

A. Jeans and a t-shirt

B. A face shield and gloves

C. Flip-flops

D. Sunglasses

5. What is the recommended way to dispose of used tissues, masks, and other personal protective equipment during a pandemic?

A. Flush them down the toilet

B. Place them in a plastic bag and throw them in the regular trash

C. Leave them on the ground

D. Recycle them

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6. Which of the following is NOT a symptom commonly associated with pandemic-oriented respiratory diseases like COVID-19?

A. Fever
B. Dry cough
C. Sneezing
D. Shortness of breath

7. What is the purpose of contact tracing during a pandemic?

A. To identify individuals at risk of contracting the disease
B. To ensure everyone gets vaccinated
C. To promote international travel
D. To stockpile medical supplies

8. Which organization is responsible for coordinating international responses to pandemics and other health emergencies?

A. United Nations (UN)
B. World Health Organization (WHO)
C. Red Cross
D. Centers for Disease Control and Prevention (CDC)

9. What is the recommended duration for self-isolation after being exposed to a pandemic-oriented disease or testing positive for it?

A. 24 hours
B. 3 days
C. 7 days
D. 14 days

10. How can vaccines contribute to the control of pandemic-oriented diseases?

A. By spreading the disease further
B. By weakening the immune system
C. By reducing the spread of the disease and protecting individuals
D. By increasing the severity of the disease

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PRECAUTIONS AND CONTROL OF PANDEMIC DISEASES (PMS2208)

Name of Student: STEPHAN D **Course & Year:** II - Pharm D.

Registration No: 380021516521 **Semester:**

Date: 22.04.23 **Marks Secured:**

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. What is the primary mode of transmission for most pandemic-oriented respiratory diseases?

A. Waterborne transmission
B. Airborne transmission ✓
C. Foodborne transmission
D. Vector-borne transmission

24/30

2. Which of the following is a crucial measure for preventing the spread of pandemic-oriented diseases like COVID-19?

A. Frequent handwashing with soap and water ✓
B. Consuming a diet rich in vitamin C
C. Avoiding physical exercise
D. Taking antibiotics regularly

3. What is the recommended social distancing guideline during a pandemic?

A. 1 foot (30 cm)
B. 3 feet (1 meter)
C. 6 feet (2 meters) ✓
D. 10 feet (3 meters)

4. Which of the following is a personal protective equipment (PPE) commonly used by healthcare workers to prevent the spread of pandemic-oriented diseases?

A. Jeans and a t-shirt
B. A face shield and gloves
C. Flip-flops ✓
D. Sunglasses

5. What is the recommended way to dispose of used tissues, masks, and other personal protective equipment during a pandemic?

A. Flush them down the toilet
B. Place them in a plastic bag and throw them in the regular trash ✓
C. Leave them on the ground
D. Recycle them

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6. Which of the following is NOT a symptom commonly associated with pandemic-oriented respiratory diseases like COVID-19?

A. Fever
B. Dry cough
C. Sneezing
D. Shortness of breath

7. What is the purpose of contact tracing during a pandemic?

A. To identify individuals at risk of contracting the disease
B. To ensure everyone gets vaccinated
C. To promote international travel
D. To stockpile medical supplies

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C. Red Cross
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D. 14 days

10. How can vaccines contribute to the control of pandemic-oriented diseases?

A. By spreading the disease further
B. By weakening the immune system
C. By reducing the spread of the disease and protecting individuals
D. By increasing the severity of the disease

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PRECAUTIONS AND CONTROL OF PANDEMIC DISEASES (PMS2208)

Name of Student: TARUNESHVAR K
Course & Year: II - Pharm D.
Registration No: 38002151652b
Semester:
Date: 22.04.23
Marks Secured:

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. What is the primary mode of transmission for most pandemic-oriented respiratory diseases?

A. Waterborne transmission
(B.) Airborne transmission
C. Foodborne transmission
D. Vector-borne transmission

24/30

2. Which of the following is a crucial measure for preventing the spread of pandemic-oriented diseases like COVID-19?

A. Frequent handwashing with soap and water
B. Consuming a diet rich in vitamin C
(C.) Avoiding physical exercise
D. Taking antibiotics regularly

3. What is the recommended social distancing guideline during a pandemic?

A. 1 foot (30 cm)
B. 3 feet (1 meter)
(C.) 6 feet (2 meters)
D. 10 feet (3 meters)

4. Which of the following is a personal protective equipment (PPE) commonly used by healthcare workers to prevent the spread of pandemic-oriented diseases?

A. Jeans and a t-shirt
(B.) A face shield and gloves
C. Flip-flops
D. Sunglasses

5. What is the recommended way to dispose of used tissues, masks, and other personal protective equipment during a pandemic?

A. Flush them down the toilet
(B.) Place them in a plastic bag and throw them in the regular trash
C. Leave them on the ground
D. Recycle them

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6. Which of the following is NOT a symptom commonly associated with pandemic-oriented respiratory diseases like COVID-19?

A. Fever
B. Dry cough
C. Sneezing
D. Shortness of breath

7. What is the purpose of contact tracing during a pandemic?

A. To identify individuals at risk of contracting the disease
B. To ensure everyone gets vaccinated
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A. By spreading the disease further
B. By weakening the immune system
C. By reducing the spread of the disease and protecting individuals
D. By increasing the severity of the disease

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PRECAUTIONS AND CONTROL OF PANDEMIC DISEASES (PMS2208)

Name of Student: S. Rohan **Course & Year:** II - Pharm.D

Registration No: 380021516515 **Semester:**

Date: 22-04-23 **Marks Secured:**

Answer All Multiple-Choice Questions (10 × 3 = 30)

1. What is the primary mode of transmission for most pandemic-oriented respiratory diseases?

A. Waterborne transmission
B. Airborne transmission ✓
C. Foodborne transmission
D. Vector-borne transmission

21/30

2. Which of the following is a crucial measure for preventing the spread of pandemic-oriented diseases like COVID-19?

A. Frequent handwashing with soap and water
B. Consuming a diet rich in vitamin C
C. Avoiding physical exercise ✗
D. Taking antibiotics regularly

3. What is the recommended social distancing guideline during a pandemic?

A. 1 foot (30 cm)
B. 3 feet (1 meter) ✓
C. 6 feet (2 meters)
D. 10 feet (3 meters)

4. Which of the following is a personal protective equipment (PPE) commonly used by healthcare workers to prevent the spread of pandemic-oriented diseases?

A. Jeans and a t-shirt
B. A face shield and gloves ✓
C. Flip-flops
D. Sunglasses

5. What is the recommended way to dispose of used tissues, masks, and other personal protective equipment during a pandemic?

A. Flush them down the toilet
B. Place them in a plastic bag and throw them in the regular trash ✓
C. Leave them on the ground
D. Recycle them

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6. Which of the following is NOT a symptom commonly associated with pandemic-oriented respiratory diseases like COVID-19?

A. Fever
B. Dry cough
C. Sneezing
D. Shortness of breath

7. What is the purpose of contact tracing during a pandemic?

A. To identify individuals at risk of contracting the disease
B. To ensure everyone gets vaccinated
C. To promote international travel
D. To stockpile medical supplies

21/30

8. Which organization is responsible for coordinating international responses to pandemics and other health emergencies?

A. United Nations (UN)
B. World Health Organization (WHO)
C. Red Cross
D. Centers for Disease Control and Prevention (CDC)

9. What is the recommended duration for self-isolation after being exposed to a pandemic-oriented disease or testing positive for it?

A. 24 hours
B. 3 days
C. 7 days
D. 14 days

10. How can vaccines contribute to the control of pandemic-oriented diseases?

A. By spreading the disease further
B. By weakening the immune system
C. By reducing the spread of the disease and protecting individuals
D. By increasing the severity of the disease

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ADD-ON COURSE: ANSWER KEY

Course Code : PMS2208

Course Name : PRECAUTIONS AND CONTROL OF PANDEMIC DISEASES

Date : 11.03.2023 to 22.04.2023 (All Saturday)

Course & Year : Pharm. D Second Year

ANSWER KEY

1. B. Airborne transmission
2. A. Frequent hand washing with soap and water
3. C. 6 feet (2 meters)
4. B. A face shield and gloves
5. B. Place them in a plastic bag and throw them in the regular trash
6. C. Sneezing
7. A. To identify individuals at risk of contracting the disease
8. B. World Health Organization (WHO)
9. D. 14 days
10. C. By reducing the spread of the disease and protecting individuals

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MARK STATEMENT

Course Code : PMS2208

Course Name : PRECAUTIONS AND CONTROL OF PANDEMIC DISEASES

Date : 11.03.2023 to 22.04.2023 (All Saturday)

Course & Year : Pharm. D Second Year

S.No	Student Name	Registration Number	Mark Secured
1	ABDUL BASIDH M	380021516501	21
2	AJAY M	380021516502	24
3	DHANUSH KUMAR R	380021516503	24
4	INDHUJA I	380021516505	24
5	JAGADEESHKUMAR P	380021516506	27
6	MANMATHAN V	380021516508	27
7	MOHAMED MUHSEEN M	380021516509	24
8	MONIK RAJ T	380021516510	24
9	NANDHA S	380021516512	27
10	PRAVINRAJ N	380021516513	24
11	PRIYADHARSHINI S	380021516514	24
12	ROHAN S	380021516515	21
13	SAKTHIVEL S	380021516516	27
14	SARANYA T	380021516517	24
15	SIVAPRAKASH V	380021516519	27
16	SOUNDARYA S	380021516520	24
17	STEPHAN D	380021516521	24
18	SUJIN T	380021516522	24
19	SURYA M	380021516523	27
20	SWETHA A	380021516524	27
21	TAMIL SELVAN V	380021516525	24
22	TARUNESHVAR K	380021516526	24
23	THANISH T	380021516527	27

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ADD ON COURSE FEEDBACK FORM

Name of the student: V. MANMADHAN Course & Year: Pharm.D Second year

Registration No: 380021516508 Date: 22.04.2023

Name of the Course: PRECAUTIONS AND CONTROL OF PANDEMIC DISEASES

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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Manmadhan
Student Signature

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ADD ON COURSE FEEDBACK FORM

Name of the student: ABDUL BASIDH.M Course & Year: PHARM.D SECOND YEAR

Registration No: 380021516501 Date: 22.04.2023

Name of the Course: PRECAUTIONS AND CONTROL OF PANDEMIC DISEASES

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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M. Abdul Basidh

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ADD ON COURSE FEEDBACK FORM

Name of the student: T. SARANYA. Course & Year: Pharm. D Second year.

Registration No: 380021516517 Date: 22.04.2023.

Name of the Course: PRECAUTIONS AND CONTROL OF PANDEMIC DISEASES.

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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ADD ON COURSE FEEDBACK FORM

Name of the student: S. NANDHA

Course & Year: Pharm.D Second year

Registration No: 380021516512

Date: 22.04.2023

Name of the Course: Precautions and Control of Pandemic Diseases

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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ADD ON COURSE FEEDBACK FORM

Name of the student: STEPHAN . D Course & Year: PHARM D SECOND YEAR

Registration No: 380021516521 Date: 22/04/2023

Name of the Course: PRECAUTIONS AND CONTROL OF PANDEMIC DISEASES.

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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ADD-ON COURSE - SYLLABUS

Course Code : THT2209

Course Name : TIME MANAGEMENT TRICKS USING IQ BASED TECHNIQUES

Date : 11.03.2023 to 22.04.2023 (All Saturday)

Course & Year : Pharm. D First Year

Course Objective : Incorporating IQ-based techniques into time management strategies aligns with the goal of optimizing cognitive skills to make smarter decisions, improve productivity, and achieve better outcomes in both personal and professional endeavours.

S.No	Topic	Hours
1	**Module-I: INTRODUCTION:** What is IQ test, How is IQ measured, Can IQ Improve with time, How can I improve my IQ over time	10
2	**Module-II: ASSESS YOUR IQ**-Elon musk's IQ, How expensive is an IQ test, What was Einstein's IQ level, Does IQ test memory, Do people with high IQ struggle	10
3	**Module-III: IQ CALCULATION:** How IQ is calculated, Good IQ score, How to increase your IQ, what age is best for IQ, What is the different types of IQ	10

Course Outcome:

After the successful completion of this course, the student shall be able to:

1. Acquire high knowledge about "tricks to handle time with iq".
2. Have a critical way of thinking based on current health care development.

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ADD-ON COURSE NAME: TIME MANAGEMENT TRICKS USING IQ BASED TECHNIQUES

Course Code: THT2209

RESOURCE PERSON



Name	: Mr. E. L. PRAVEEN KIRUBAGARAN
Qualification	: M.A. Social Work (Medical and Psychiatry)
Designation	: Life Skills & Soft Skills Trainer
Organization	: Advisor, Social Worker
Phone number	: +91 79049 00273
Mail-ID	: elpraveenk@gmail.com
Experience	: 13 Year 0 Months

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ADD-ON COURSE NAME: TIME MANAGEMENT TRICKS USING IQ BASED TECHNIQUES

Course Code: THT2209

RESOURCE PERSON



Name	: Mrs. K. AMUDHAVALLI
Qualification	: M. Pharm.,
Designation	: Assistant Professor
Department	: Pharmaceutical Chemistry
Organization	: JKK Munirajah Institute of Health Sciences College of Pharmacy, Erode, Tamilnadu.
Area of Specialization	: Pharmaceutical Organic Chemistry, Pharmaceutical Inorganic Chemistry, Medicinal Chemistry, Natural Products, Process Chemistry.
Phone number	: +91 93614 86667
Mail-ID	: amudhavalli@jkkmihscp.org
Experience	: 01 Years 08 Months

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ADD-ON COURSE - SCHEDULE

Course Code : THT2209

Course Name :TIME MANAGEMENT TRICKS USING IQ BASED TECHNIQUES

Date : 11.03.2023 to 22.04.2023 (All Saturday)

Course & Year : Pharm. D First Year

S. No	Topic	Hours
1	UNIT-I: INTRODUCTION: What is IQ test, How is IQ measured, Can IQ Improve with time, How can I improve my IQ over time	11.03.2023 Mr. E. L. Praveen kirubagaran & Mrs. K. Amudhavalli
2	UNIT-II: ASSESS YOUR IQ-Elon musk's IQ, How expensive is an IQ test	18.03.2023 Mr. E. L. Praveen kirubagaran & Mrs. K. Amudhavalli
3	What was Einstein's IQ level, Does IQ test memory, Do people with high IQ struggle	25.03.2023 Mr. E. L. Praveen kirubagaran & Mrs. K. Amudhavalli
4	UNIT-III: IQ CALCULATION: How IQ is calculated, Good IQ score	08.04.2023 Mr. E. L. Praveen kirubagaran & Mrs. K. Amudhavalli
5	How to increase your IQ, what age is best for IQ, What is the different types of IQ	22.04.2023 Mr. E. L. Praveen kirubagaran & Mrs. K. Amudhavalli

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TIME MANAGEMENT TRICKS USING IQ BASED TECHNIQUES (TMT2209)

Name of Student: LOGESWARI R
Course & Year: Pharm. D I st year
Registration No: 380022516509
Semester:
Date: 22.04.2023
Marks Secured: 27/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1) What is the main goal of time management, according to Brian Tracy's principles?

A) To increase the number of tasks completed
B) To achieve a sense of accomplishment
C) To minimize free time
D) To eliminate all non-essential activities

2) According to Brian Tracy, what is the "law of forced efficiency"?

A) The idea that tasks will expand to fill the time available
B) The principle of focusing on the most important tasks first
C) The concept of multitasking to get more done
D) The practice of delegating all tasks to others

3) Which time management technique suggests breaking your work into smaller, manageable tasks and focusing on completing them one by one?

A) Procrastination
B) Parkinson's Law
C) The 2-Minute Rule
D) The "Salami Slice" method

4) Brian Tracy emphasizes the importance of identifying tasks that contribute the most to your goals. What term does he use to describe these tasks?

A) Urgent tasks
B) Routine tasks
C) Quadrant 2 tasks
D) Busywork tasks

5) What is the "ABCDE" method that Brian Tracy suggests for prioritizing tasks?

A) Categorizing tasks based on their complexity
B) Assigning a letter grade to each task based on its importance
C) Organizing tasks alphabetically
D) Setting deadlines for tasks

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6) What is the primary goal of time management for students?

A) Maximizing leisure time
B) Achieving high grades and academic success
C) Completely avoiding social activities
D) Focusing solely on part-time jobs

7) Which of the following is a key benefit of effective time management for students?

A) Experiencing constant stress and burnout
B) Missing deadlines and assignments regularly
C) Improved academic performance and reduced stress
D) Allowing distractions to consume valuable study time

8) How can students prioritize tasks effectively?

A) By working on tasks randomly as they come up
B) By multitasking to complete tasks faster
C) By tackling the most important tasks first
D) By avoiding planning and going with the flow

9) What is the "Pomodoro Technique" for time management?

A) Juggling multiple tasks simultaneously
B) Studying only during daytime hours
C) Working for focused intervals followed by short breaks
D) Planning the entire week in advance

10) Why is setting realistic goals important for time management in student life?

A) To make tasks more challenging
B) To avoid achieving any goals at all
C) To maintain a constant state of stress
D) To stay motivated and measure progress

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TIME MANAGEMENT TRICKS USING IQ BASED TECHNIQUES (TMT2209)

Name of Student: ABARNA · M
Course & Year: Pharm.D 1st year
Registration No: 880022516501.
Semester:
Date: 22.04.23
Marks Secured:

Answer All Multiple-Choice Questions (10 × 3 = 30)

1) What is the main goal of time management, according to Brian Tracy's principles?

A) To increase the number of tasks completed
(B) To achieve a sense of accomplishment
C) To minimize free time
D) To eliminate all non-essential activities

24
30

2) According to Brian Tracy, what is the "law of forced efficiency"?

A) The idea that tasks will expand to fill the time available
(B) The principle of focusing on the most important tasks first
C) The concept of multitasking to get more done
D) The practice of delegating all tasks to others

3) Which time management technique suggests breaking your work into smaller, manageable tasks and focusing on completing them one by one?

A) Procrastination
B) Parkinson's Law
(C) The 2-Minute Rule
D) The "Salami Slice" method

4) Brian Tracy emphasizes the importance of identifying tasks that contribute the most to your goals. What term does he use to describe these tasks?

A) Urgent tasks
B) Routine tasks
(C) Quadrant 2 tasks
D) Busywork tasks

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5) What is the "ABCDE" method that Brian Tracy suggests for prioritizing tasks?

A) Categorizing tasks based on their complexity
(B) Assigning a letter grade to each task based on its importance
C) Organizing tasks alphabetically
D) Setting deadlines for tasks

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6) What is the primary goal of time management for students?

A) Maximizing leisure time

(B) Achieving high grades and academic success

C) Completely avoiding social activities

D) Focusing solely on part-time jobs

7) Which of the following is a key benefit of effective time management for students?

A) Experiencing constant stress and burnout

(B) Missing deadlines and assignments regularly

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D) Allowing distractions to consume valuable study time

8) How can students prioritize tasks effectively?

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(C) By tackling the most important tasks first

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A) Juggling multiple tasks simultaneously

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10) Why is setting realistic goals important for time management in student life?

A) To make tasks more challenging

B) To avoid achieving any goals at all

C) To maintain a constant state of stress

(D) To stay motivated and measure progress

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TIME MANAGEMENT TRICKS USING IQ BASED TECHNIQUES (TMT2209)

Name of Student: Naveenkumar Mannar
Course & Year: Pharm.D , I^st year
Registration No: 38002251651 4
Semester:
Date: 24.04.2023
Marks Secured:

27/30

Answer All Multiple-Choice Questions (10 × 3 = 30)

1) What is the main goal of time management, according to Brian Tracy's principles?

A) To increase the number of tasks completed
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2) According to Brian Tracy, what is the "law of forced efficiency"?

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D) Busywork tasks

5) What is the "ABCDE" method that Brian Tracy suggests for prioritizing tasks?

A) Categorizing tasks based on their complexity
B) Assigning a letter grade to each task based on its importance
C) Prioritizing tasks alphabetically
D) Setting deadlines for tasks

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TIME MANAGEMENT TRICKS USING IQ BASED TECHNIQUES (TMT2209)

Name of Student: E. Bansha Merlin Gold
Course & Year: Pharm.D I st Year
Registration No: 3800225165O4
Semester:
Date: 24.04.2023
Marks Secured:

Answer All Multiple-Choice Questions (10 × 3 = 30)

1) What is the main goal of time management, according to Brian Tracy's principles?

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27/30

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D) The "Salami Slice" method

4) Brian Tracy emphasizes the importance of identifying tasks that contribute the most to your goals. What term does he use to describe these tasks?

A) Urgent tasks
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5) What is the "ABCDE" method that Brian Tracy suggests for prioritizing tasks?

A) Categorizing tasks based on their complexity
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C) Organizing tasks alphabetically
D) Setting deadlines for tasks

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TIME MANAGEMENT TRICKS USING IQ BASED TECHNIQUES (TMT2209)

Name of Student: Selvabalaji. S
Course & Year: PharmD First year
Registration No: 38002251652O
Semester:
Date: 22.04.2023
Marks Secured:

Answer All Multiple-Choice Questions (10 × 3 = 30)

1) What is the main goal of time management, according to Brian Tracy's principles?

A) To increase the number of tasks completed
B) To achieve a sense of accomplishment
C) To minimize free time
D) To eliminate all non-essential activities

21/30

2) According to Brian Tracy, what is the "law of forced efficiency"?

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ADD-ON COURSE: ANSWER KEY

Course Code : THT2209

Course Name : TIME MANAGEMENT TRICKS USING IQ BASED TECHNIQUES

Date : 11.03.2023 to 22.04.2023 (All Saturday)

Course & Year : Pharm. D First Year

ANSWER KEY

1. B) To achieve a sense of accomplishment
2. B) The principle of focusing on the most important tasks first
3. C) Quadrant 2 tasks
4. D) The "Salami Slice" method
5. B) Assigning a letter grade to each task based on its importance
6. B) Achieving high grades and academic success
7. C) Improved academic performance and reduced stress
8. C) By tackling the most important tasks first
9. C) Working for focused intervals followed by short breaks
10. D) To stay motivated and measure progress

Co-Ordinator

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MARK STATEMENT

Course Code : THT2209

Course Name : TIME MANAGEMENT TRICKS USING IQ BASED TECHNIQUES

Date : 11.03.2023 to 22.04.2023 (All Saturday)

Course & Year : Pharm. D First Year

S.No	Student Name	Registration Number	Marks secured
1	ABARNA M	380022516501	24
2	ANJANA SATHYAN	380022516502	27
3	CHANDRU K	380022516503	24
4	DANSHA MERLIN GOLD E	380022516504	27
5	HARIBASKAR R	380022516505	30
6	KARTHIKA SHRI R R	380022516507	27
7	LOGESWARI R	380022516509	27
8	MANOBALAN M	380022516511	30
9	MANOJ KUMAR R	380022516512	27
10	NAMBI RAM N S	380022516513	21
11	NAVEENKUMAR MANNAR	380022516514	27
12	PRIYADHARSHINI S	380022516516	24
13	RAMABIRAN S	380022516517	24
14	RASHVIN C V	380022516518	24
15	SATHIYA PRIYA M	380022516519	27
16	SELVABALAJI S	380022516520	21

Co-Ordinator

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ADD ON COURSE FEEDBACK FORM

Name of the student: ABARNA M Course & Year: pharm.D first year

Registration No: 38002251650 1 Date: 22.04.2023

Name of the Course: TIME MANAGEMENT TRICKS USING IQ BASED TECHNIQUES

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

4. Did the resource person delivered the information, you didn't know already?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

5. The subject matter was presented effectively

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

6. The resource person helped me learn about how the course works in the real world

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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Student Signature

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ADD ON COURSE FEEDBACK FORM

Name of the student: SATHIYA PRIYA.M Course & Year: Pharm.D first year

Registration No: 38002251651 9 Date: 22.04.2023

Name of the Course: TIME MANAGEMENT TRICKS USING IQ BASED TECHNIQUES

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

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ADD ON COURSE FEEDBACK FORM

Name of the student: ANJANA SATHYAN Course & Year: Pharm.D. First year

Registration No: 380022516502 Date: 22.04.2023

Name of the Course: TIME MANAGEMENT TRICKS USING IQ BASED TECHNIQUES

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree ✓c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

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ADD ON COURSE FEEDBACK FORM

Name of the student: CHANDRU.K Course & Year: Pharm.D, 1 year

Registration No: CHANDRU.K, 380022516503 Date: 22.04.2023

Name of the Course: TIME MANAGEMENT TRICKS USING IQ BASED TECHNIQUES

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree ~~b.~~ Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree ~~c.~~ Moderate d. Disagree e. Strongly Disagree

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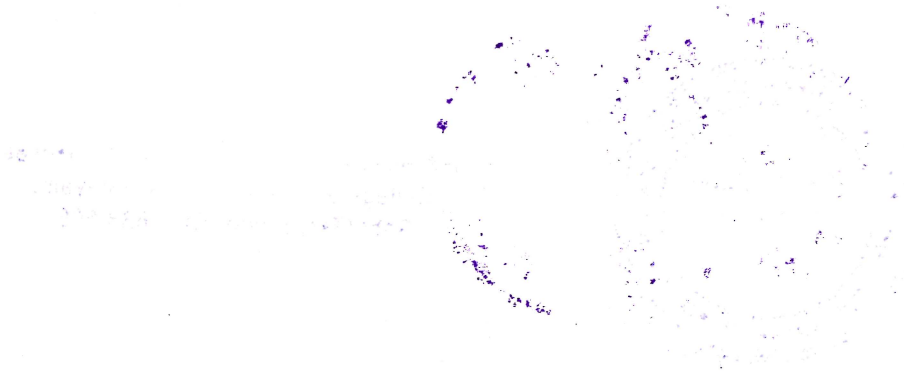
Student Signature



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ADD ON COURSE FEEDBACK FORM

Name of the student: MANOJ KUMAR.R Course & Year: Pharm.D First Year

Registration No: 38002251651 2 Date: 22.04.2023

Name of the Course: TIME MANAGEMENT TRICKS USING IQ BASED TECHNIQUES.

Evaluating the Following Questions

1. This Course was interesting

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

2. Was this course useful

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

3. During the course did you find any technical difficulties?

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7. The resource person provided information I can use to be successful in my career

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

8. Overall how do you rate the Training Program?

   a. Strongly Agree b. Agree c. Moderate d. Disagree e. Strongly Disagree

JKK Munirajah Institutes of Health Sciences College of Pharmacy ★ T.N.Palayam Erode Dt

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Student Signature

