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

ACADEMIC YEAR 2021-2022

Total Number of Courses: 07

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 CLINICAL TRIALS: DESIGN AND ANALYSIS	PCT2101	33	45
2	ENVIRONMENTAL CONDITION FOR MEDICINAL PLANTS GROWTH	ECM2102	30	16
3	PHARMACEUTICAL INHALATION THERAPY IN RESPIRATORY DISEASES	PIT2103	30	78
4	TIME MANAGEMENT IN STUDENT CARRIER	TMS2104	30	83
5	MEDICATION SAFETY AND ERROR PREVENTION: ENHANCING PATIENT CARE	MSE2105	31	88
6	VETERINARY PHARMACY: BRIDGING THE GAP BETWEEN MEDICINE AND ANIMAL HEALTH CARE	VPA2106	31	26
7	DRUG REPURPOSING: AN EMERGING APPROACH IN DRUG DISCOVERY	DRP2107	31	12

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ADD-ON COURSE - SYLLABUS

Course Code : PCT2101

Course Name : PHARMACEUTICAL CLINICAL TRIALS: DESIGN AND ANALYSIS

Date : 12.06.2021 to 31.07.2021 (All Saturday)

Course & Year : B. Pharm Final Year

Course Objective : Pharmaceutical clinical trials, including their design and analysis, are geared toward generating robust scientific evidence to support the approval and safe use of new drugs. These objectives are essential for advancing medical knowledge, protecting patient welfare, and ensuring the quality and integrity of the drug development process.

S. No	Topic	Hours
1	**Module-I:** Introduction, Importance and Objectives of Pharmaceutical Clinical Trials, Principles of Design and Analysis	11
2	**Module-II:** Treatment, Evaluation, Clinical and Pre-clinical trials	9
3	**Module-III:** Designs for clinical trials, Parallel group designs, Cluster randomized designs, Crossover designs, Enrichment designs, Group sequential designs	13

Course Outcome:

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

1. Pharmaceutical clinical trials' design and analysis are pivotal in ensuring the safety and efficacy of new medical interventions.
2. These trials require meticulous planning, adherence to ethical principles, and compliance with regulatory standards to generate robust and reliable evidence for the benefit of patients and the advancement of medical science.

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ADD-ON COURSE NAME: PHARMACEUTICAL CLINICAL TRIALS: DESIGN AND ANALYSIS

Course Code: PCT2101

RESOURCE PERSON



Name	: DR.G.SUMITHRA
Qualification	: M. Pharm., Ph.D.,
Designation	: Professor
Department	: Pharmacology
Organization	: The Erode College of Pharmacy, Erode, Tamilnadu.
Area of Specialization	: General Pharmacology, Human Anatomy & Physiology, Pharmacological and Toxicological screening methods, Advanced Pharmacology, clinical pharmacology
Phone number	: +91 96777 67357
Mail-ID	: georgesumithra@gmail.com
Experience	: 16 Year 02 Months

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ADD-ON COURSE NAME: PHARMACEUTICAL CLINICAL TRIALS: DESIGN AND ANALYSIS

Course Code: PCT2101

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 : PCT2101

Course Name : PHARMACEUTICAL CLINICAL TRIALS: DESIGN AND ANALYSIS

Date : 12.06.2021 to 31.07.2021 (All Saturday)

Course & Year : B. Pharm Final Year

S. No	Topic	Hours
1	UNIT-I: Introduction, Importance and Objectives of Pharmaceutical Clinical Trials, Principles of Design and Analysis	12.06.2021 DR.G.Sumithra & Mr. G. M. Sivakumar
2	UNIT-II: Treatment, Evaluation, Clinical	26.06.2021 DR.G.Sumithra & Mr. G. M. Sivakumar
3	Pre-clinical trials	03.07.2021 DR.G.Sumithra & Mr. G. M. Sivakumar
4	UNIT-III: Designs for clinical trials, Parallel group designs, Cluster randomized designs	17.07.2021 DR.G.Sumithra & Mr. G. M. Sivakumar
5	Crossover designs, Enrichment designs, Group sequential designs	31.07.2021 DR.G.Sumithra & Mr. G. M. Sivakumar

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PHARMACEUTICAL CLINICAL TRIALS: DESIGN AND ANALYSIS (PCT2101)

Name of Student: LOSHINI . M **Course & Year:** B. Pharm final yea

Registration No: 561894063 **Semester:**

Date: 31/7/21 **Marks Secured:**

27/30

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

1. What is the primary objective of pharmaceutical clinical trials?

A) To maximize profits for pharmaceutical companies

B) To assess the safety and efficacy of new medical interventions ✓

C) To expedite the drug approval process

D) To enroll as many participants as possible

2. Which of the following is a key principle in the design of clinical trials that helps minimize bias?

A) Overestimating the sample size

B) Blinding ✓

C) Ignoring ethical considerations

D) Conducting trials without a control group

3. What does the term "placebo control" refer to in clinical trials?

A) Using placebos as the primary treatment

B) A group of patients who receive no treatment

C) A group of patients who receive a fake or inactive treatment ✓

D) A group of patients who receive the experimental treatment

4. What is the purpose of randomization in clinical trials?

A) To ensure that the trial is conducted in multiple countries

B) To increase the likelihood of finding a positive result

C) To minimize bias and ensure that each participant has an equal chance of receiving the treatment or control ✓

D) To exclude certain participants from the trial

5. Which of the following is NOT an objective of pharmaceutical clinical trials?

A) Identifying adverse events and potential risks

B) Assessing the cost-effectiveness of the treatment ✓

C) Determining the appropriate dose of the treatment

D) Comparing the new treatment to existing alternatives

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6. What is the significance of an "intention-to-treat" analysis in clinical trials?

A) It analyzes only the participants who completed the trial.

B) It includes all participants who were initially randomized, regardless of whether they completed the trial.

C) It analyzes only the participants who had a favourable response to the treatment.

D) It analyzes the data before the trial begins.

7. What is the purpose of an ethics committee or institutional review board in clinical trials?

A) To ensure that the trial is conducted secretly

B) To maximize profits for the pharmaceutical company

C) To protect the rights and welfare of trial participants

D) To promote the use of placebos in all clinical trials

8. Which regulatory agency in the United States is responsible for approving new drugs based on clinical trial data?

A) CDC (Centers for Disease Control and Prevention)

B) NIH (National Institutes of Health)

C) FDA (Food and Drug Administration)

D) DEA (Drug Enforcement Administration)

9. Which type of clinical trial design involves comparing two or more treatments simultaneously?

A) Parallel-group design

B) Crossover design

C) Sequential design

D) Placebo-controlled design

10. What is the primary goal of a Phase I clinical trial in pharmaceutical development?

A) To evaluate long-term safety and efficacy

B) To determine the appropriate dosage range and assess safety

C) To compare the new drug to existing treatments

D) To seek regulatory approval for market launch

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PHARMACEUTICAL CLINICAL TRIALS: DESIGN AND ANALYSIS (PCT2101)

Name of Student: MANOJ KUMAR S
Course & Year: B.Pharm - Final Years
Registration No: 561894026
Semester:
Date: 31.07.2021
Marks Secured:

27/30

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

1. What is the primary objective of pharmaceutical clinical trials?

A) To maximize profits for pharmaceutical companies
B) To assess the safety and efficacy of new medical interventions ✓
C) To expedite the drug approval process
D) To enroll as many participants as possible

2. Which of the following is a key principle in the design of clinical trials that helps minimize bias?

A) Overestimating the sample size
B) Blinding ✓
C) Ignoring ethical considerations
D) Conducting trials without a control group

3. What does the term "placebo control" refer to in clinical trials?

A) Using placebos as the primary treatment
B) A group of patients who receive no treatment
C) A group of patients who receive a fake or inactive treatment ✓
D) A group of patients who receive the experimental treatment

4. What is the purpose of randomization in clinical trials?

A) To ensure that the trial is conducted in multiple countries
B) To increase the likelihood of finding a positive result
C) To minimize bias and ensure that each participant has an equal chance of receiving the treatment or control ✓
D) To exclude certain participants from the trial

5. Which of the following is NOT an objective of pharmaceutical clinical trials?

A) Identifying adverse events and potential risks
B) Assessing the cost-effectiveness of the treatment ✓
C) Determining the appropriate dose of the treatment
D) Comparing the new treatment to existing alternatives

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6. What is the significance of an "intention-to-treat" analysis in clinical trials?

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B) It includes all participants who were initially randomized, regardless of whether they completed the trial.

C) It analyzes only the participants who had a favourable response to the treatment.

D) It analyzes the data before the trial begins.

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B) To maximize profits for the pharmaceutical company

C) To protect the rights and welfare of trial participants

D) To promote the use of placebos in all clinical trials

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B) NIH (National Institutes of Health)

C) FDA (Food and Drug Administration)

D) DEA (Drug Enforcement Administration)

9. Which type of clinical trial design involves comparing two or more treatments simultaneously?

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B) Crossover design

C) Sequential design

D) Placebo-controlled design

10. What is the primary goal of a Phase I clinical trial in pharmaceutical development?

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B) To determine the appropriate dosage range and assess safety

C) To compare the new drug to existing treatments

D) To seek regulatory approval for market launch

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PHARMACEUTICAL CLINICAL TRIALS: DESIGN AND ANALYSIS (PCT2101)

Name of Student: VIJAY . R
Course & Year: B. Pharm Final Yr
Registration No: 5618940 58
Semester:
Date: 31.07.2021
Marks Secured: 24/30

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

1. What is the primary objective of pharmaceutical clinical trials?

A) To maximize profits for pharmaceutical companies
B) To assess the safety and efficacy of new medical interventions ✓1
C) To expedite the drug approval process
D) To enroll as many participants as possible

2. Which of the following is a key principle in the design of clinical trials that helps minimize bias?

A) Overestimating the sample size
B) Blinding ✓1
C) Ignoring ethical considerations
D) Conducting trials without a control group

3. What does the term "placebo control" refer to in clinical trials?

A) Using placebos as the primary treatment
B) A group of patients who receive no treatment
C) A group of patients who receive a fake or inactive treatment ✓1
D) A group of patients who receive the experimental treatment

4. What is the purpose of randomization in clinical trials?

A) To ensure that the trial is conducted in multiple countries
B) To increase the likelihood of finding a positive result
C) To minimize bias and ensure that each participant has an equal chance of receiving the treatment or control ✓1
D) To exclude certain participants from the trial

5. Which of the following is NOT an objective of pharmaceutical clinical trials?

A) Identifying adverse events and potential risks
B) Assessing the cost-effectiveness of the treatment ✗
C) Determining the appropriate dose of the treatment
D) Comparing the new treatment to existing alternatives

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6. What is the significance of an "intention-to-treat" analysis in clinical trials?

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B) It includes all participants who were initially randomized, regardless of whether they completed the trial.

C) It analyzes only the participants who had a favourable response to the treatment.

D) It analyzes the data before the trial begins.

7. What is the purpose of an ethics committee or institutional review board in clinical trials?

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B) To maximize profits for the pharmaceutical company

C) To protect the rights and welfare of trial participants

D) To promote the use of placebos in all clinical trials

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B) NIH (National Institutes of Health)

C) FDA (Food and Drug Administration)

D) DEA (Drug Enforcement Administration)

9. Which type of clinical trial design involves comparing two or more treatments simultaneously?

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B) Crossover design

C) Sequential design

D) Placebo-controlled design

10. What is the primary goal of a Phase I clinical trial in pharmaceutical development?

A) To evaluate long-term safety and efficacy

B) To determine the appropriate dosage range and assess safety

C) To compare the new drug to existing treatments

D) To seek regulatory approval for market launch

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PHARMACEUTICAL CLINICAL TRIALS: DESIGN AND ANALYSIS (PCT2101)

Name of Student: GOKUL. G
Course & Year: B. Pharm Final year
Registration No: 561894009
Semester:
Date: 30.07.2021
Marks Secured:

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

27/30

1. What is the primary objective of pharmaceutical clinical trials?

A) To maximize profits for pharmaceutical companies
B) To assess the safety and efficacy of new medical interventions ✓
C) To expedite the drug approval process
D) To enroll as many participants as possible

2. Which of the following is a key principle in the design of clinical trials that helps minimize bias?

A) Overestimating the sample size
B) Blinding ✓
C) Ignoring ethical considerations
D) Conducting trials without a control group

3. What does the term "placebo control" refer to in clinical trials?

A) Using placebos as the primary treatment
B) A group of patients who receive no treatment
C) A group of patients who receive a fake or inactive treatment ✓
D) A group of patients who receive the experimental treatment

4. What is the purpose of randomization in clinical trials?

A) To ensure that the trial is conducted in multiple countries
B) To increase the likelihood of finding a positive result
C) To minimize bias and ensure that each participant has an equal chance of receiving the treatment or control ✓
D) To exclude certain participants from the trial

5. Which of the following is NOT an objective of pharmaceutical clinical trials?

A) Identifying adverse events and potential risks
B) Assessing the cost-effectiveness of the treatment ✓
C) Determining the appropriate dose of the treatment
D) Comparing the new treatment to existing alternatives

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B) It includes all participants who were initially randomized, regardless of whether they completed the trial.

C) It analyzes only the participants who had a favourable response to the treatment.

D) It analyzes the data before the trial begins.

7. What is the purpose of an ethics committee or institutional review board in clinical trials?

A) To ensure that the trial is conducted secretly

B) To maximize profits for the pharmaceutical company

C) To protect the rights and welfare of trial participants

D) To promote the use of placebos in all clinical trials

8. Which regulatory agency in the United States is responsible for approving new drugs based on clinical trial data?

A) CDC (Centers for Disease Control and Prevention)

B) NIH (National Institutes of Health)

C) FDA (Food and Drug Administration)

D) DEA (Drug Enforcement Administration)

9. Which type of clinical trial design involves comparing two or more treatments simultaneously?

A) Parallel-group design

B) Crossover design

C) Sequential design

D) Placebo-controlled design

10. What is the primary goal of a Phase I clinical trial in pharmaceutical development?

A) To evaluate long-term safety and efficacy

B) To determine the appropriate dosage range and assess safety

C) To compare the new drug to existing treatments

D) To seek regulatory approval for market launch

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PHARMACEUTICAL CLINICAL TRIALS: DESIGN AND ANALYSIS (PCT2101)

Name of Student: NIRMAL.G

Course & Year: B. PHARM - IV

Registration No: 5619940109

Semester:

Date: 31.7.2021.

Marks Secured:

27/30

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

1. What is the primary objective of pharmaceutical clinical trials?

A) To maximize profits for pharmaceutical companies

B) To assess the safety and efficacy of new medical interventions

C) To expedite the drug approval process

D) To enroll as many participants as possible

2. Which of the following is a key principle in the design of clinical trials that helps minimize bias?

A) Overestimating the sample size

B) Blinding

C) Ignoring ethical considerations

D) Conducting trials without a control group

3. What does the term "placebo control" refer to in clinical trials?

A) Using placebos as the primary treatment

B) A group of patients who receive no treatment

C) A group of patients who receive a fake or inactive treatment

D) A group of patients who receive the experimental treatment

4. What is the purpose of randomization in clinical trials?

A) To ensure that the trial is conducted in multiple countries

B) To increase the likelihood of finding a positive result

C) To minimize bias and ensure that each participant has an equal chance of receiving the treatment or control

D) To exclude certain participants from the trial

5. Which of the following is NOT an objective of pharmaceutical clinical trials?

A) Identifying adverse events and potential risks

B) Assessing the cost-effectiveness of the treatment

C) Determining the appropriate dose of the treatment

D) Comparing the new treatment to existing alternatives

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A) It analyzes only the participants who completed the trial.

B) It includes all participants who were initially randomized, regardless of whether they completed the trial.

C) It analyzes only the participants who had a favourable response to the treatment.

D) It analyzes the data before the trial begins.

7. What is the purpose of an ethics committee or institutional review board in clinical trials?

A) To ensure that the trial is conducted secretly

B) To maximize profits for the pharmaceutical company

C) To protect the rights and welfare of trial participants

D) To promote the use of placebos in all clinical trials

8. Which regulatory agency in the United States is responsible for approving new drugs based on clinical trial data?

A) CDC (Centers for Disease Control and Prevention)

B) NIH (National Institutes of Health)

C) FDA (Food and Drug Administration)

D) DEA (Drug Enforcement Administration)

9. Which type of clinical trial design involves comparing two or more treatments simultaneously?

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B) Crossover design

C) Sequential design

D) Placebo-controlled design

10. What is the primary goal of a Phase I clinical trial in pharmaceutical development?

A) To evaluate long-term safety and efficacy

B) To determine the appropriate dosage range and assess safety

C) To compare the new drug to existing treatments

D) To seek regulatory approval for market launch

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ADD-ON COURSE: ANSWER KEY

Course Code : PCT2101

Course Name : PHARMACEUTICAL CLINICAL TRIALS: DESIGN AND ANALYSIS

Date : 12.06.2021 to 31.07.2021 (All Saturday)

Course & Year : B. Pharm Final Year

ANSWER KEY

1. B) To assess the safety and efficacy of new medical interventions
2. B) Blinding
3. C) A group of patients who receive a fake or inactive treatment
4. C) To minimize bias and ensure that each participant has an equal chance of receiving the treatment or control life
5. B) Assessing the cost-effectiveness of the treatment
6. B) It includes all participants who were initially randomized, regardless of whether they completed the trial.
7. C) To protect the rights and welfare of trial participants
8. C) FDA (Food and Drug Administration)
9. A) Parallel-group design
10. B) To determine the appropriate dosage range and assess safety

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MARK STATEMENT

Course Code : PCT2101

Course Name : PHARMACEUTICAL CLINICAL TRIALS: DESIGN AND ANALYSIS

Date : 12.06.2021 to 31.07.2021 (All Saturday)

Course & Year : B. Pharm Final Year

S.No	Student Name	Registration Number	Mark Secured
1	ABARNA A	561894001	30
2	ADINATHAN R	561894002	27
3	ARUN SURYA M	561894004	24
4	DINESH V	561894006	21
5	GOKUL G	561894008	24
6	GOKUL J	561894009	27
7	GOPINATH S	561894011	30
8	GOVINDARAJ A	561894012	27
9	HARIPRASATH D	561894015	27
10	HARISH KUMAR E	561894016	24
11	INDHUMATHI P	561894017	27
12	JIGNESH G	561894020	27
13	KARTHICK N	561894022	27
14	MANOJ KUMAR S	561894026	24
15	NAGARAJ M	561894029	27
16	NAIDU SHREYA CHANDRASHEKHAR	561894030	30
17	NAKKEERAN S	561894031	27
18	NAVEENKUMAR V	561894032	24
19	PRADEEP RAJ V	561894033	27
20	PRAKASH M	561894035	24
21	PRAKASH R	561894036	27
22	PRAVEEN A	561894038	24
23	RAGUL KANNAN R	561894041	30
24	SANGEETHA B	561894044	24
25	SELVI R	561894048	24

30

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S.No	Student Name	Registration Number	Mark Secured
26	SURYA R	561894052	27
27	TAMILAMUTHAN V	561894053	24
28	THILAGAVARMAN S	561894054	27
29	VIGNESHMOORTHY T	561894057	27
30	VIJAY R	561894058	24
31	KAMALAKANNAN K	561894059	27
32	LOSHINI M	561894063	27
33	BASKARAN B	5619940101	27
34	DEEPAKKUMAR D	5619940102	30
35	GOWRISANKAR K	5619940104	24
36	JEYA SEELAN B	5619940106	27
37	KANNAIAN G	5619940107	27
38	KRISHNA DEVI R	5619940108	30
39	NIRMAL G	5619940109	27
40	NITHESHWAR H	5619940110	24
41	NITHISH B	5619940111	21
42	SAMUVEL DAVID P	5619940115	30
43	SHANKARADAS T	5619940117	27
44	SHEIK MOIDHEEN A	5619940118	27
45	VAITHEESHWARAN M K	5619940120	24

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ADD ON COURSE FEEDBACK FORM

Name of the student: A. GOVINDARAJ Course & Year: B. PHARM FINAL YEAR

Registration No: 561894012 Date: 31.07.2021

Name of the Course: PHARMACEUTICAL CLINICAL TRIALS DESIGN AND ANALYSIS

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: G. GOKUL. Course & Year: B. Pharm Final year

Registration No: 561894008 Date: 31.07.2021.

Name of the Course: PHARMACEUTICAL CLINICAL TRIALS : DESIGN AND ANALYSIS.

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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G. Gokul
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ADD ON COURSE FEEDBACK FORM

Name of the student: P. INDHUMATHI Course & Year: B-Pharm Final year

Registration No: 561894017 Date: 31.07.2021

Name of the Course: Pharmaceutical clinical Trials : Design and analysis

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: SURYA.R Course & Year: B.Pharm FINAL YEAR

Registration No: 5618941052 Date: 31.07.2021

Name of the Course: PHARMACEUTICAL CLINICAL TRIALS DESIGN AND ANALYSIS.

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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Surya
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ADD ON COURSE FEEDBACK FORM

Name of the student: VIJAY.R

Course & Year: B.PHARM FINAL YEAR

Registration No: 561894058

Date: 31/07/2021

Name of the Course: PHARMACEUTICAL CLINICAL TRIALS DESIGN AND ANALYSIS.

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 : ECM2102

Course Name : ENVIRONMENTAL CONDITION FOR MEDICINAL PLANTS GROWTH

Date : 07.08.2021 to 25.09.2021 (All Saturday)

Course & Year : Pharm. D Second Year

Course Objective : Participants should gain a well-rounded understanding of the environmental conditions influencing medicinal plant growth and be equipped with the knowledge and skills to engage in sustainable and effective cultivation practices

S.No	Topic	Hours
1	**Module-I-DEFINITION:** The Significance of Proper Environmental Conditions for Plant Growth, Temperature and its impact on medicinal plants, Effect of extreme temperature, Medicinal plants from different climates.	9
2	**Module-II: LIGHT REQUIREMENTS FOR MEDICINAL PLANTS-** Photosynthesis and light, Light intensity, duration and quality, Adapting to indoor cultivation and artificial lighting, Humidity management for medicinal plants	10
3	**Module-III: SOIL QUALITY AND ITS ROLE IN MEDICINAL PLANT GROWTH-** Soil composition and structure, PH, Watering practices for medicinal plants, Ensuring adequate air circulation, Fertilization and nutrition management	5
4.	**Module-IV: INTEGRATED PEST AND DISEASE MANAGEMENT:** Identifying common pest and disease, Cultural and biological pest control methods, Minimal impact and chemical control, Adaptation, Protection from extreme whether condition. Case studies.	6

Course Outcome:

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

1. Acquire high knowledge about the "environmental condition for the growth of medicinal plants".
2. Have a critical way of thinking based on current health care development.

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ADD-ON COURSE NAME: ENVIRONMENTAL CONDITION FOR

MEDICINAL PLANTS GROWTH

Course Code: ECM2102

RESOURCE PERSON



Name	: DR.S.SELVADURAI
Qualification	: M. Pharm., M.B.A., Ph.D.,
Designation	: Professor
Department	: Pharmacognosy
Organization	: Surya School of Pharmacy, Vikravandi, Tamilnadu.
Area of Specialization	: General Pharmacognosy, Phytochemistry, Industrial Pharmacognosy, Ethanopharmacognosy.
Phone number	: +91 99431 16377
Mail-ID	: sasdurai85@gmail.com
Experience	: 12 Year 02 Months

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ADD-ON COURSE NAME: ENVIRONMENTAL CONDITION FOR MEDICINAL PLANTS GROWTH

Course Code: ECM2102

RESOURCE PERSON



Name	: DR. S. GANDHIMATHI
Qualification	: M. Pharm., Ph.D.,
Designation	: Associate Professor
Department	: Pharmacognosy
Organization	: JKK Munirajah Institute of Health Sciences College of Pharmacy, Erode, Tamilnadu.
Area of Specialization	: Industrial Pharmacognosy, Phytopharmaceutics, Ethanopharmacognosy, Phytochemistry, Biochemical Evaluation of Medicinal Plants.
Phone number	: +91 94877 41356
Mail-ID	: gandhimathi@jkkmihscp.org
Experience	: 07 Years 11 Months

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ADD-ON COURSE - SCHEDULE

Course Code : ECM2102

Course Name : ENVIRONMENTAL CONDITION FOR MEDICINAL PLANTS GROWTH

Date : 07.08.2021 to 25.09.2021 (All Saturday)

Course & Year : Pharm. D Second Year

S. No	Topic	Hours
1	UNIT-I-DEFINITION: The Significance of Proper Environmental Conditions for Plant Growth, Temperature and its impact on medicinal plants, Effect of extreme temperature, Medicinal plants from different climates	07.08.2021 DR.S.Selvadurai & DR. S. Gandhimathi
2	UNIT-II-LIGHT REQUIREMENTS FOR MEDICINAL PLANTS- Photosynthesis and light, Light intensity, duration and quality, Adapting to indoor cultivation and artificial lighting, Humidity management for medicinal plants	14.08.2021 DR.S.Selvadurai & DR. S. Gandhimathi
3	UNIT-III: SOIL QUALITY AND ITS ROLE IN MEDICINAL PLANT GROWTH- Soil composition and structure, PH, Watering practices for medicinal plants, Ensuring adequate air circulation, Fertilization and nutrition management	21.08.2021 DR.S.Selvadurai & DR. S. Gandhimathi
4.	UNIT IV: INTEGRATED PEST AND DISEASE MANAGEMENT: Identifying common pest and disease	11.09.2021 DR.S.Selvadurai & DR. S. Gandhimathi
5	Cultural and biological pest control methods, Minimal impact and chemical control, Adaptation, Protection from extreme whether condition. Case studies	25.09.2021 DR.S.Selvadurai & DR. S. Gandhimathi

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ENVIRONMENTAL CONDITION FOR MEDICINAL PLANTS GROWTH (ECM2102)

Name of Student: JANAT SELVIYA . P **Course & Year:** Pharm. D second year

Registration No: 380020516506 **Semester:**

Date: 25/09/2021 **Marks Secured:**

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

27/30

1. **What is the primary environmental factor that affects the growth of medicinal plants?**
   - A. Air pollution
   - B. Soil pH
   - (C) Temperature
   - D. Noise levels

2. **Which of the following soil types is generally preferred for growing most medicinal plants?**
   - A. Sandy soil
   - B. Clay soil
   - C. Acidic soil
   - (D) Loamy soil

3. **What is the importance of adequate sunlight for medicinal plant growth?**
   - A. Sunlight helps in root development
   - (B) Sunlight provides energy for photosynthesis
   - C. Sunlight prevents pests and diseases
   - D. Sunlight increases humidity levels

4. **Why is proper drainage important for cultivating medicinal plants?**
   - A. It prevents soil erosion
   - B. It reduces the need for watering
   - (C) It prevents root rot and water logging
   - D. It encourages deep root growth

5. **Which of the following factors can influence the potency of medicinal plant compounds?**
   - A. Soil texture
   - B. Temperature fluctuations
   - C. Light pollution
   - (D) Altitude

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6. **How can you improve soil fertility for growing medicinal plants?**
   - (A) Overwatering the soil
   - B. Adding synthetic fertilizers
   - C. Crop rotation
   - D. Using plastic mulch

7. **What is the ideal pH range of soil for most medicinal plants?**
   - A. pH 4-5
   - (B) pH 6-7
   - C. pH 8-9
   - D. pH 10-11

8. **Which environmental factor can affect the aroma and flavor of medicinal herbs?**
   - (A) Relative humidity
   - B. Noise pollution
   - C. Soil compaction
   - D. Wind direction

9. **In which season is it generally best to harvest medicinal plants for maximum potency?**
   - (A) Spring
   - B. Summer
   - C. Fall
   - D. Winter

10. **What is the significance of biodiversity in medicinal plant cultivation?**
    - A. Biodiversity is not relevant to medicinal plant growth
    - (B) It helps in pest control and disease resistance
    - C. It increases the need for synthetic pesticides
    - D. It reduces soil fertility

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ENVIRONMENTAL CONDITION FOR MEDICINAL PLANTS GROWTH (ECM2102)

Name of Student: DINESHIYA.D
Course & Year: Pharm.D Second years
Registration No: 380020516502
Semester:
Date: 25.09.2021
Marks Secured:

24/30

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

1. **What is the primary environmental factor that affects the growth of medicinal plants?**
   - A. Air pollution
   - B. Soil pH
   - (C) Temperature
   - D. Noise levels

2. **Which of the following soil types is generally preferred for growing most medicinal plants?**
   - A. Sandy soil
   - B. Clay soil
   - C. Acidic soil
   - (D) Loamy soil

3. **What is the importance of adequate sunlight for medicinal plant growth?**
   - A. Sunlight helps in root development
   - (B) Sunlight provides energy for photosynthesis
   - C. Sunlight prevents pests and diseases
   - D. Sunlight increases humidity levels

4. **Why is proper drainage important for cultivating medicinal plants?**
   - A. It prevents soil erosion
   - B. It reduces the need for watering
   - (C) It prevents root rot and water logging
   - D. It encourages deep root growth

5. **Which of the following factors can influence the potency of medicinal plant compounds?**
   - A. Soil texture
   - B. Temperature fluctuations
   - C. Light pollution
   - (D) Altitude

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6. How can you improve soil fertility for growing medicinal plants?

A. Overwatering the soil

B. Adding synthetic fertilizers

C. Crop rotation

D. Using plastic mulch

7. What is the ideal pH range of soil for most medicinal plants?

A. pH 4-5

B. pH 6-7

C. pH 8-9

D. pH 10-11

8. Which environmental factor can affect the aroma and flavor of medicinal herbs?

A. Relative humidity

B. Noise pollution

C. Soil compaction

D. Wind direction

9. In which season is it generally best to harvest medicinal plants for maximum potency?

A. Spring

B. Summer

C. Fall

D. Winter

10. What is the significance of biodiversity in medicinal plant cultivation?

A. Biodiversity is not relevant to medicinal plant growth

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C. It increases the need for synthetic pesticides

D. It reduces soil fertility

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ENVIRONMENTAL CONDITION FOR MEDICINAL PLANTS GROWTH (ECM2102)

Name of Student: KAVIYARASAN.R **Course & Year:** Pharm.D Second year

Registration No: 38002051650 9 **Semester:**

Date: 25.09.2021 **Marks Secured:**

27/30

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

1. **What is the primary environmental factor that affects the growth of medicinal plants?**
   - A. Air pollution
   - B. Soil pH
   - ✓ C. Temperature
   - D. Noise levels

2. **Which of the following soil types is generally preferred for growing most medicinal plants?**
   - A. Sandy soil
   - B. Clay soil
   - C. Acidic soil
   - ✓ D. Loamy soil

3. **What is the importance of adequate sunlight for medicinal plant growth?**
   - ✓ A. Sunlight helps in root development
   - B. Sunlight provides energy for photosynthesis
   - C. Sunlight prevents pests and diseases
   - D. Sunlight increases humidity levels

4. **Why is proper drainage important for cultivating medicinal plants?**
   - A. It prevents soil erosion
   - B. It reduces the need for watering
   - ✓ C. It prevents root rot and water logging
   - D. It encourages deep root growth

5. **Which of the following factors can influence the potency of medicinal plant compounds?**
   - A. Soil texture
   - B. Temperature fluctuations
   - C. Light pollution
   - D. Altitude

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6. How can you improve soil fertility for growing medicinal plants?

A. Overwatering the soil

B. Adding synthetic fertilizers

✓C. Crop rotation

D. Using plastic mulch

7. What is the ideal pH range of soil for most medicinal plants?

A. pH 4-5

✓B. pH 6-7

C. pH 8-9

D. pH 10-11

8. Which environmental factor can affect the aroma and flavor of medicinal herbs?

✓A. Relative humidity

B. Noise pollution

C. Soil compaction

D. Wind direction

9. In which season is it generally best to harvest medicinal plants for maximum potency?

✓A. Spring

B. Summer

C. Fall

D. Winter

10. What is the significance of biodiversity in medicinal plant cultivation?

A. Biodiversity is not relevant to medicinal plant growth

✓B. It helps in pest control and disease resistance

C. It increases the need for synthetic pesticides

D. It reduces soil fertility

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ENVIRONMENTAL CONDITION FOR MEDICINAL PLANTS GROWTH (ECM2102)

Name of Student: PRAGATHEESWARI . M **Course & Year:** Pharm.D. Second year

Registration No: 380020516513 **Semester:**

Date: 25. 09. 2021. **Marks Secured:**

30/30

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

1. **What is the primary environmental factor that affects the growth of medicinal plants?**
   - A. Air pollution
   - B. Soil pH
   - C. Temperature ✓
   - D. Noise levels

2. **Which of the following soil types is generally preferred for growing most medicinal plants?**
   - A. Sandy soil
   - B. Clay soil
   - C. Acidic soil
   - D. Loamy soil ✓

3. **What is the importance of adequate sunlight for medicinal plant growth?**
   - A. Sunlight helps in root development
   - B. Sunlight provides energy for photosynthesis ✓
   - C. Sunlight prevents pests and diseases
   - D. Sunlight increases humidity levels

4. **Why is proper drainage important for cultivating medicinal plants?**
   - A. It prevents soil erosion
   - B. It reduces the need for watering
   - C. It prevents root rot and water logging ✓
   - D. It encourages deep root growth

5. **Which of the following factors can influence the potency of medicinal plant compounds?**
   - A. Soil texture
   - B. Temperature fluctuations
   - C. Light pollution
   - D. Altitude ✓

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6. **How can you improve soil fertility for growing medicinal plants?**
   A. Overwatering the soil
   B. Adding synthetic fertilizers
   C. Crop rotation
   D. Using plastic mulch
7. **What is the ideal pH range of soil for most medicinal plants?**
   A. pH 4-5
   B. pH 6-7
   C. pH 8-9
   D. pH 10-11
8. **Which environmental factor can affect the aroma and flavor of medicinal herbs?**
   A. Relative humidity
   B. Noise pollution
   C. Soil compaction
   D. Wind direction
9. **In which season is it generally best to harvest medicinal plants for maximum potency?**
   A. Spring
   B. Summer
   C. Fall
   D. Winter
10. **What is the significance of biodiversity in medicinal plant cultivation?**
    A. Biodiversity is not relevant to medicinal plant growth
    B. It helps in pest control and disease resistance
    C. It increases the need for synthetic pesticides
    D. It reduces soil fertility

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ENVIRONMENTAL CONDITION FOR MEDICINAL PLANTS GROWTH (ECM2102)

Name of Student: SURYAPRAKASH M
Course & Year: Pharm.D Second year
Registration No: 380020516518
Semester:
Date: 25.09.2021
Marks Secured:

27/30

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

1. **What is the primary environmental factor that affects the growth of medicinal plants?**
   A. Air pollution
   B. Soil pH
   C. Temperature
   D. Noise levels

2. **Which of the following soil types is generally preferred for growing most medicinal plants?**
   A. Sandy soil
   B. Clay soil
   C. Acidic soil
   D. Loamy soil

3. **What is the importance of adequate sunlight for medicinal plant growth?**
   A. Sunlight helps in root development
   B. Sunlight provides energy for photosynthesis
   C. Sunlight prevents pests and diseases
   D. Sunlight increases humidity levels

4. **Why is proper drainage important for cultivating medicinal plants?**
   A. It prevents soil erosion
   B. It reduces the need for watering
   C. It prevents root rot and water logging
   D. It encourages deep root growth

5. **Which of the following factors can influence the potency of medicinal plant compounds?**
   A. Soil texture
   B. Temperature fluctuations
   C. Light pollution
   D. Altitude

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6. **How can you improve soil fertility for growing medicinal plants?**
   A. Overwatering the soil
   B. Adding synthetic fertilizers
   C. Crop rotation
   D. Using plastic mulch
7. **What is the ideal pH range of soil for most medicinal plants?**
   A. pH 4-5
   B. pH 6-7
   C. pH 8-9
   D. pH 10-11
8. **Which environmental factor can affect the aroma and flavor of medicinal herbs?**
   A. Relative humidity
   B. Noise pollution
   C. Soil compaction
   D. Wind direction
9. **In which season is it generally best to harvest medicinal plants for maximum potency?**
   A. Spring
   B. Summer
   C. Fall
   D. Winter
10. **What is the significance of biodiversity in medicinal plant cultivation?**
    A. Biodiversity is not relevant to medicinal plant growth
    B. It helps in pest control and disease resistance
    C. It increases the need for synthetic pesticides
    D. It reduces soil fertility

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ADD-ON COURSE: ANSWER KEY

Course Code : ECM2102

Course Name : ENVIRONMENTAL CONDITION FOR MEDICINAL PLANTS GROWTH

Date : 07.08.2021 to 25.09.2021 (All Saturday)

Course & Year : Pharm. D Second Year

ANSWER KEY:

1. C. Temperature
2. D. Loamy soil
3. B. Sunlight provides energy for photosynthesis
4. C. It prevents root rot and waterlogging
5. D. Altitude
6. C. Crop rotation
7. B. pH 6-7
8. A. Relative humidity
9. A. Spring
10. B. It helps in pest control and disease resistance

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MARK STATEMENT

Course Code : ECM2102

Course Name : ENVIRONMENTAL CONDITION FOR MEDICINAL PLANTS GROWTH

Date : 07.08.2021 to 25.09.2021 (All Saturday)

Course & Year : Pharm. D Second Year

S.No	Student Name	Registration Number	Mark Secured
1	ARAVINDAN C	380020516501	30
2	ARUN KUMAR M	380020516502	24
3	DINESHIYA D	380020516503	24
4	ILAVARASAN D M	380020516505	27
5	JANAT SELVIYA P	380020516506	27
6	JERIF SAM S C	380020516507	27
7	JINJA J	380020516508	23
8	KAVIARASAN R	380020516509	27
9	NISHANTH KUMAR S	380020516511	30
10	NISHANTHI M	380020516512	27
11	PRAGATHEESWARI M	380020516513	30
12	PRAVEEN G	380020516514	27
13	SAMUVEL R	380020516516	24
14	SURYAPRAKASH M	380020516518	27
15	VENKATESH E	380020516520	27
16	WINSHA MERLIN GOLD E	380020516521	27

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ADD ON COURSE FEEDBACK FORM

Name of the student: ARAVINDAN . C

Course & Year: Pharm . D Second year

Registration No: 38002051b501

Date: 25-09-2021

Name of the Course: Environmental condition for medicinal plants Growth.

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
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ADD ON COURSE FEEDBACK FORM

Name of the student: Arunkumar. M Course & Year: Pharm.D Second Year

Registration No: 380020516502 Date: 25.09.2021

Name of the Course: Environment condition For Medicinal Plants Growth

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.A
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ADD ON COURSE FEEDBACK FORM

Name of the student: VENKATESH.E Course & Year: Pharm.D. Second year.

Registration No: 380020516520 Date: 25.09.2021.

Name of the Course: ENVIRONMENTAL CONDITION FOR MEDICINAL PLANTS GROWTH [ECM2102]

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: NISHANTH KUMAR.S Course & Year: Pharm.D second Year

Registration No: 380020516511 Date: 25.09.2021.

Name of the Course: ENVIRONMENTAL CONDITION FOR MEDICINAL PLANT GROWTH (ECM2102)

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: Kaviarasan.R Course & Year: Pharm.D Second year

Registration No: 380020516509 Date: 05.09.2021

Name of the Course: ENVIRONMENTAL CONDITION FOR MEDICAL PLANTS GROWTH (ECN21D2

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 : PIT2103

Course Name : PHARMACEUTICAL INHALATION THERAPY IN RESPIRATORY DISEASES

Date : 09.10.2021 to 27.11.2021 (All Saturday)

Course & Year : B. Pharm Third Year

Course Objective : Participants should gain the knowledge and skills necessary to effectively utilize pharmaceutical inhalation therapy in the treatment of respiratory diseases, contributing to improved patient outcomes and quality of life.

S. No	Topic	Hours
1	**Module-I:** Introduction: Asthma, Chronic Obstructive Pulmonary Disease (COPD), Cystic Fibrosis, Chronic Bronchitis,Interstitial Lung Disease (ILD), Pneumonia, Respiratory Infections (e.g., Bronchiolitis, Pneumonia).	7
2	**Module-II:** Inhalation therapy: the 1800s, The treatment of consumption, Mechanism, advantages and challenges involved in the delivery of inhalation therapeutic drugs	7
3	**Module-III** Deposition of particle to the respiratory tract,Inertial impaction, Gravitational sedimentation, Brownian diffusion, Factors affecting particle deposition in the diseased lung,current inhaler devices.	7
4	**Module-IV:** Nebulizer, Small volume nebulizer (SVN), Excipient used in nebulization,Types of pMDI, Advantages and disadvantages, Propellants:Types of DPIs, Advantages and disadvantages, Soft mist inhaler, Challenges in inhaler performance and drug delivery, Importance of patient's breathing pattern in inhalation therapy.	9

Course Outcome:

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

1. Pharmaceutical inhalation therapy can lead to positive outcomes in the management of respiratory diseases by improving symptom control, reducing exacerbations, and enhancing the overall quality of life for patients.
2. It is a widely used treatment approach for various respiratory conditions, including asthma, chronic obstructive pulmonary disease (COPD), cystic fibrosis, and respiratory infections.

Co-Ordinator

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ADD-ON COURSE NAME: PHARMACEUTICAL INHALATION THERAPY IN RESPIRATORY DISEASES

Course Code: PIT2103

RESOURCE PERSON



Name	: DR .S.BHAMA
Qualification	: M. Pharm., Ph.D.,
Designation	: Professor
Department	: Pharmaceutics
Organization	: JKK Nataraja College of Pharmacy, Komarapalayam, Namakkal, Tamilnadu.
Area of Specialization	: Pharmaceutics, Physical Pharmacy, Industrial Pharmacy, Novel Drug Delivery System, Cosmetic Sciences, Pharmaceutical Formulation, Nanotechnology, Novel Drug Delivery System.
Phone number	: +91 94438 36674
Mail-ID	: bhamashaswath2006@gmail.com
Experience	: 16 Year 03 Months

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ADD-ON COURSE NAME: PHARMACEUTICAL INHALATION THERAPY IN RESPIRATORY DISEASES

Course Code: PIT2103

RESOURCE PERSON



Name	: Mr. K. RAJA
Qualification	: M. Pharm.,
Designation	: Professor
Department	: Pharmaceutics
Organization	: JKK Munirajah Institute of Health Sciences College of Pharmacy, Erode, Tailnadu.
Area of Specialization	: Physical Pharmaceutics, Pharmaceutical Formulation, Pharmaceutical Engineering, Nanotechnology, Novel Drug Delivery System, Biopharmaceutics, Cosmetic Science.
Phone number	: +91 94439 67634
Mail-ID	: raja@jkkmihscp.org
Experience	: 21 Years 04 Months

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ADD-ON COURSE - SCHEDULE

Course Code : PIT2103

Course Name : PHARMACEUTICAL INHALATION THERAPY IN RESPIRATORY DISEASES

Date : 09.10.2021 to 27.11.2021 (All Saturday)

Course & Year : B. Pharm Third Year

S. No	Topic	Hours
1	UNIT- I : Introduction: Asthma, Chronic Obstructive Pulmonary Disease (COPD), Cystic Fibrosis, Chronic Bronchitis,Interstitial Lung Disease (ILD), Pneumonia, Respiratory Infections (e.g., Bronchiolitis, Pneumonia).	09.10.2021 DR. S.Bhama & Mr. K. Raja
2	UNIT-II: Inhalation therapy: the 1800s, the treatment of consumption, Mechanism, advantages and challenges involved in the delivery of inhalation therapeutic drugs	23.10.2021 DR. S.Bhama & Mr. K. Raja
3	UNIT-III Deposition of particle to the respiratory tract,Inertial impaction, Gravitational sedimentation, Brownian diffusion, Factors affecting particle deposition in the diseased lung,current inhaler devices.	06.11.2021 DR. S.Bhama & Mr. K. Raja
4	UNIT IV: Nebulizer, Small volume nebulizer (SVN), Excipient used in nebulization,Types of pMDI, Advantages and disadvantages,	13.11.2021 DR. S.Bhama & Mr. K. Raja
5	Propellants:Types of DPIs, Advantages and disadvantages, Soft mist inhaler, Challenges in inhaler performance and drug delivery, Importance of patient's breathing pattern in inhalation therapy.	27.11.2021 DR. S.Bhama & Mr. K. Raja

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PHARMACEUTICAL INHALATION THERAPY IN RESPIRATORY DISEASES (PIT2103)

Name of Student: P. Santhosh
Course & Year: B. Pharm IIIrd Year
Registration No: 561994076
Semester:
Date: 27.11.21
Marks Secured: 30/30

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

1. What is the primary benefit of delivering medications through inhalation therapy in respiratory diseases?

A. Slower onset of action
B. Higher risk of systemic side effects
C. Targeted drug delivery to the lungs
D. Reduced patient compliance

2. Which respiratory condition often requires the use of bronchodilators through inhalation therapy to relieve acute symptoms?

A. Pneumonia
B. Chronic Obstructive Pulmonary Disease (COPD)
C. Interstitial Lung Disease (ILD)
D. Cystic Fibrosis

3. What type of inhaler device is commonly used to deliver short-acting beta-agonists (SABAs) for quick relief of acute bronchoconstriction?

A. Metered-dose inhaler (MDI)
B. Dry powder inhaler (DPI)
C. Nebulizer
D. Spacer device

4. Which of the following respiratory conditions often involves the use of inhaled corticosteroids as part of its treatment regimen?

A. Pneumonia
B. Cystic Fibrosis
C. Asthma
D. Bronchitis

5. In cystic fibrosis, which type of inhaled therapy is used to help loosen mucus and improve airway clearance?

A. Inhaled corticosteroids
B. Antibiotics
C. Hypertonic saline
D. Dornase alfa

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6. **What is the primary objective of delivering oxygen therapy through inhalation in respiratory diseases?**
   A. To induce sleep
   B. To target lung infections
   C. To relieve pain
   D. To maintain oxygen levels in the blood

7. **Which type of inhaler device is often used for delivering a combination of long-acting beta-agonists (LABAs) and inhaled corticosteroids (ICS) in a single device for the management of respiratory diseases?**
   A. Dry powder inhaler (DPI)
   B. Metered-dose inhaler (MDI)
   C. Nebulizer
   D. Spacer device

8. **What is the main advantage of delivering medication through inhalation therapy compared to oral administration in respiratory diseases?**
   A. Slower onset of action
   B. Reduced systemic side effects
   C. Lower cost
   D. Increased patient compliance

9. **Which of the following inhaler devices requires the user to coordinate the actuation of the device with a deep inhalation?**
   A. Metered-dose inhaler (MDI)
   B. Dry powder inhaler (DPI)
   C. Nebulizer
   D. Spacer device

10. **What type of medication is typically delivered through a nebulizer?**
    A. Liquid antibiotics
    B. Dry powder corticosteroids
    C. Pressurized gas bronchodilators
    D. Oral antihistamines

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PHARMACEUTICAL INHALATION THERAPY IN RESPIRATORY DISEASES (PIT2103)

Name of Student: Vijay .S **Course & Year:** B.Pharm Third year

Registration No: 5619940121 **Semester:**

Date: 27.11.2021 **Marks Secured:** 21/30

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

1. What is the primary benefit of delivering medications through inhalation therapy in respiratory diseases?

A. Slower onset of action
B. Higher risk of systemic side effects
C. Targeted drug delivery to the lungs
D. Reduced patient compliance

2. Which respiratory condition often requires the use of bronchodilators through inhalation therapy to relieve acute symptoms?

A. Pneumonia
B. Chronic Obstructive Pulmonary Disease (COPD)
C. Interstitial Lung Disease (ILD)
D. Cystic Fibrosis

3. What type of inhaler device is commonly used to deliver short-acting beta-agonists (SABAs) for quick relief of acute bronchoconstriction?

A. Metered-dose inhaler (MDI)
B. Dry powder inhaler (DPI)
C. Nebulizer
D. Spacer device

4. Which of the following respiratory conditions often involves the use of inhaled corticosteroids as part of its treatment regimen?

A. Pneumonia
B. Cystic Fibrosis
C. Asthma
D. Bronchitis

5. In cystic fibrosis, which type of inhaled therapy is used to help loosen mucus and improve airway clearance?

A. Inhaled corticosteroids
B. Antibiotics
C. Hypertonic saline
D. Dornase alfa

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6. **What is the primary objective of delivering oxygen therapy through inhalation in respiratory diseases?**
   A. To induce sleep
   B. To target lung infections
   C. To relieve pain
   D. To maintain oxygen levels in the blood
7. **Which type of inhaler device is often used for delivering a combination of long-acting beta-agonists (LABAs) and inhaled corticosteroids (ICS) in a single device for the management of respiratory diseases?**
   A. Dry powder inhaler (DPI)
   B. Metered-dose inhaler (MDI)
   C. Nebulizer
   D. Spacer device
8. **What is the main advantage of delivering medication through inhalation therapy compared to oral administration in respiratory diseases?**
   A. Slower onset of action
   B. Reduced systemic side effects
   C. Lower cost
   D. Increased patient compliance
9. **Which of the following inhaler devices requires the user to coordinate the actuation of the device with a deep inhalation?**
   A. Metered-dose inhaler (MDI)
   B. Dry powder inhaler (DPI)
   C. Nebulizer
   D. Spacer device
10. **What type of medication is typically delivered through a nebulizer?**
    A. Liquid antibiotics
    B. Dry powder corticosteroids
    C. Pressurized gas bronchodilators
    D. Oral antihistamines

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PHARMACEUTICAL INHALATION THERAPY IN RESPIRATORY DISEASES (PIT2103)

Name of Student: V. Priyadharsini. **Course & Year:** B. Pharm. III rd year

Registration No: 5619940 65. **Semester:**

Date: 27.11.21 **Marks Secured:** 27/30

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

1. What is the primary benefit of delivering medications through inhalation therapy in respiratory diseases?

A. Slower onset of action
B. Higher risk of systemic side effects
C. Targeted drug delivery to the lungs
D. Reduced patient compliance

2. Which respiratory condition often requires the use of bronchodilators through inhalation therapy to relieve acute symptoms?

A. Pneumonia
B. Chronic Obstructive Pulmonary Disease (COPD)
C. Interstitial Lung Disease (ILD)
D. Cystic Fibrosis

3. What type of inhaler device is commonly used to deliver short-acting beta-agonists (SABAs) for quick relief of acute bronchoconstriction?

A. Metered-dose inhaler (MDI)
B. Dry powder inhaler (DPI)
C. Nebulizer
D. Spacer device

4. Which of the following respiratory conditions often involves the use of inhaled corticosteroids as part of its treatment regimen?

A. Pneumonia
B. Cystic Fibrosis
C. Asthma
D. Bronchitis

5. In cystic fibrosis, which type of inhaled therapy is used to help loosen mucus and improve airway clearance?

A. Inhaled corticosteroids
B. Antibiotics
C. Hypertonic saline
D. Dornase alfa

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6. **What is the primary objective of delivering oxygen therapy through inhalation in respiratory diseases?**
   A. To induce sleep
   B. To target lung infections
   C. To relieve pain
   D. To maintain oxygen levels in the blood
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   A. Dry powder inhaler (DPI)
   B. Metered-dose inhaler (MDI)
   C. Nebulizer
   D. Spacer device
8. **What is the main advantage of delivering medication through inhalation therapy compared to oral administration in respiratory diseases?**
   A. Slower onset of action
   B. Reduced systemic side effects
   C. Lower cost
   D. Increased patient compliance
9. **Which of the following inhaler devices requires the user to coordinate the actuation of the device with a deep inhalation?**
   A. Metered-dose inhaler (MDI)
   B. Dry powder inhaler (DPI)
   C. Nebulizer
   D. Spacer device
10. **What type of medication is typically delivered through a nebulizer?**
    A. Liquid antibiotics
    B. Dry powder corticosteroids
    C. Pressurized gas bronchodilators
    D. Oral antihistamines

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PHARMACEUTICAL INHALATION THERAPY IN RESPIRATORY DISEASES (PIT2103)

Name of Student: ARUNA. C
Course & Year: B. Pharm Third year
Registration No: 5619914009
Semester:
Date: 27.11.2021
Marks Secured: 24/30

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

1. What is the primary benefit of delivering medications through inhalation therapy in respiratory diseases?

A. Slower onset of action
B. Higher risk of systemic side effects
C. Targeted drug delivery to the lungs
D. Reduced patient compliance

2. Which respiratory condition often requires the use of bronchodilators through inhalation therapy to relieve acute symptoms?

A. Pneumonia
B. Chronic Obstructive Pulmonary Disease (COPD)
C. Interstitial Lung Disease (ILD)
D. Cystic Fibrosis

3. What type of inhaler device is commonly used to deliver short-acting beta-agonists (SABAs) for quick relief of acute bronchoconstriction?

A. Metered-dose inhaler (MDI)
B. Dry powder inhaler (DPI)
C. Nebulizer
D. Spacer device

4. Which of the following respiratory conditions often involves the use of inhaled corticosteroids as part of its treatment regimen?

A. Pneumonia
B. Cystic Fibrosis
C. Asthma
D. Bronchitis

5. In cystic fibrosis, which type of inhaled therapy is used to help loosen mucus and improve airway clearance?

A. Inhaled corticosteroids
B. Antibiotics
C. Hypertonic saline
D. Dornase alfa

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6. **What is the primary objective of delivering oxygen therapy through inhalation in respiratory diseases?**
   A. To induce sleep
   B. To target lung infections
   C. To relieve pain
   D. To maintain oxygen levels in the blood
7. **Which type of inhaler device is often used for delivering a combination of long-acting beta-agonists (LABAs) and inhaled corticosteroids (ICS) in a single device for the management of respiratory diseases?**
   A. Dry powder inhaler (DPI)
   B. Metered-dose inhaler (MDI)
   C. Nebulizer
   D. Spacer device
8. **What is the main advantage of delivering medication through inhalation therapy compared to oral administration in respiratory diseases?**
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   B. Reduced systemic side effects
   C. Lower cost
   D. Increased patient compliance
9. **Which of the following inhaler devices requires the user to coordinate the actuation of the device with a deep inhalation?**
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   B. Dry powder inhaler (DPI)
   C. Nebulizer
   D. Spacer device
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    A. Liquid antibiotics
    B. Dry powder corticosteroids
    C. Pressurized gas bronchodilators
    D. Oral antihistamines

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PHARMACEUTICAL INHALATION THERAPY IN RESPIRATORY DISEASES (PIT2103)

Name of Student: DINESH .T
Course & Year: B. Pharm Third Year
Registration No: 5619940020
Semester:
Date: 27.11.2021
Marks Secured: 30/30

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

1. What is the primary benefit of delivering medications through inhalation therapy in respiratory diseases?

A. Slower onset of action
B. Higher risk of systemic side effects
(C) Targeted drug delivery to the lungs
D. Reduced patient compliance

2. Which respiratory condition often requires the use of bronchodilators through inhalation therapy to relieve acute symptoms?

A. Pneumonia
(B) Chronic Obstructive Pulmonary Disease (COPD)
C. Interstitial Lung Disease (ILD)
D. Cystic Fibrosis

3. What type of inhaler device is commonly used to deliver short-acting beta-agonists (SABAs) for quick relief of acute bronchoconstriction?

(A) Metered-dose inhaler (MDI)
B. Dry powder inhaler (DPI)
C. Nebulizer
D. Spacer device

4. Which of the following respiratory conditions often involves the use of inhaled corticosteroids as part of its treatment regimen?

A. Pneumonia
B. Cystic Fibrosis
(C) Asthma
D. Bronchitis

5. In cystic fibrosis, which type of inhaled therapy is used to help loosen mucus and improve airway clearance?

A. Inhaled corticosteroids
B. Antibiotics
(C) Hypertonic saline
D. Dornase alfa

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6. **What is the primary objective of delivering oxygen therapy through inhalation in respiratory diseases?**
   A. To induce sleep
   B. To target lung infections
   C. To relieve pain
   (D) To maintain oxygen levels in the blood
7. **Which type of inhaler device is often used for delivering a combination of long-acting beta-agonists (LABAs) and inhaled corticosteroids (ICS) in a single device for the management of respiratory diseases?**
   (A) Dry powder inhaler (DPI)
   B. Metered-dose inhaler (MDI)
   C. Nebulizer
   D. Spacer device
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   B. Dry powder inhaler (DPI)
   C. Nebulizer
   D. Spacer device
10. **What type of medication is typically delivered through a nebulizer?**
    (A) Liquid antibiotics
    B. Dry powder corticosteroids
    C. Pressurized gas bronchodilators
    D. Oral antihistamines

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ADD-ON COURSE: ANSWER KEY

Course Code : PIT2103

Course Name : PHARMACEUTICAL INHALATION THERAPY IN RESPIRATORY DISEASES

Date : 09.10.2021 to 27.11.2021 (All Saturday)

Course & Year : B. Pharm Third Year

ANSWER KEY

1. Answer: C. Targeted drug delivery to the lungs
2. Answer: B. Chronic Obstructive Pulmonary Disease (COPD)
3. Answer: A. Metered-dose inhaler (MDI)
4. Answer: C. Asthma
5. Answer: C. Hypertonic saline
6. Answer: D. To maintain oxygen levels in the blood
7. Answer: A. Dry powder inhaler (DPI)
8. Answer: B. Reduced systemic side effects
9. Answer: A. Metered-dose inhaler (MDI)
10. Answer: A. Liquid antibiotics

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MARK STATEMENT

Course Code : PIT2103

Course Name : PHARMACEUTICAL INHALATION THERAPY IN RESPIRATORY DISEASES

Date : 09.10.2021 to 27.11.2021 (All Saturday)

Course & Year : B. Pharm Third Year

S.No	Student Name	Registration Number	Mark Secured
1	AFRITH AHAMED S	561994002	27
2	ANJALI J	561994003	27
3	ARISHRAM PRASATH B	561994005	24
4	ARUN G	561994006	27
5	ARUNA C	561994009	24
6	ASHOK M	561994010	30
7	BALASURYA M	561994011	30
8	BHARATH KUMAR S	561994012	27
9	DEEPAK P	561994014	27
10	DEVA PREETHI J	561994015	30
11	DEVARAJ P	561994016	27
12	DHANESHEER AHAMED A	561994017	27
13	DINESH T	561994020	30
14	GEETHA RUBIKA S A	561994022	27
15	GIRISANKAR M	561994023	24
16	GODWIN MOSES M	561994024	27
17	GOKUL S	561994025	27
18	GOMATHI J	561994028	30
19	GOPI M	561994029	27
20	GOPINATH K	561994030	27
21	GOWTHAM R	561994031	30
22	GOWTHAMAN P	561994033	27
23	HARIPRASATH V	561994035	24
24	INDRA T	561994036	30
25	JAMES JEBA BENNY G	561994037	27

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S.No	Student Name	Registration Number	Mark Secured
26	JAYAPRAKASH P	561994038	27
27	JEEVANADHAM M	561994039	24
28	KAVIYA M	561994042	30
29	KAVIYARASAN K	561994043	30
30	KAVIYARASU G	561994044	27
31	KEERTIVASAN M	561994045	27
32	KIRUBHAKARAN P	561994046	24
33	KOKILA M	561994047	30
34	MANIVASAN P	561994048	30
35	MOHAMED RIZWAN S	561994051	27
36	MOHAN RAJ V	561994053	27
37	NARMATHA K K	561994055	27
38	NAVEENA V L	561994057	24
39	NITHISH KUMAR A	561994059	30
40	PRAVEEN KUMAR T	561994062	27
41	PRAVIN P	561994063	30
42	PRIYADHARSINI V	561994065	27
43	RAJADURAI T	561994066	24
44	REETA SILLVIA S	561994068	24
45	SAJMA BEGAM A	561994070	27
46	SAKTHIVEL P	561994071	27
47	SALMANKHAN S	561994072	27
48	SANJAITH S	561994074	30
49	SANJAY K	561994075	27
50	SANTHOSH P	561994076	30
51	SANTHOSHKUMAR P	561994077	27
52	SARAVANAN M	561994078	27
53	SATHEESH KUMAR R	561994079	30
54	SIVASAKTHI S	561994081	27
55	SONA R	561994082	30
56	SRIRAM M	561994083	27
57	SUBIKSHA A	561994085	27
58	TAMILSELVAN S	561994087	24
59	THIRUMALAINANDAA D	561994088	30
60	VARSHA S	561994090	27

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S.No	Student Name	Registration Number	Mark Secured
61	VIJAYARAGAVAN S	561994096	27
62	VISHNU P	561994097	27
63	YAMINI M	561994098	30
64	YUVANRAJ L	561994099	24
65	BARATH M	561894005	27
66	JAGAN S	561894018	30
67	KALYANKUMAR H	561894021	27
68	LALILKUMAR M	561894023	27
69	RAGHUL M	561894040	30
70	SATHISH KUMAR S	561894045	27
71	SELVAMANI R	561894047	30
72	SIVASRITHARAN M	561894050	27
73	SUNDHARAMUKIL S	561894051	30
74	PRAVEEN KUMAR R	561894064	27
75	JAGANATHAN S	5619940105	27
76	PRAPANCHAN G	5619940112	24
77	SANTHANAKUMAR B	5619940116	30
78	VIJAY S	5619940121	21

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ADD ON COURSE FEEDBACK FORM

Name of the student: AFRITH AHAMED.S Course & Year: B.Pharm Third year

Registration No: 561994002 Date: 27.11.2021

Name of the Course: PHARMACEUTICAL INHALATION THERAPY IN - RESPIRATORY 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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Student Signature

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ADD ON COURSE FEEDBACK FORM

Name of the student: KEERTIVASAN. M

Course & Year: B. PHARM Third Year. ~~PHARMACEUTICAL INHALATION THERAPY IN RESPIRATORY DISEASES~~

Registration No: 561994045

Date: 27.11.2021

Name of the Course: PHARMACEUTICAL INHALATION THERAPY IN RESPIRATORY 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. Keer

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ADD ON COURSE FEEDBACK FORM

Name of the student: JAGANATHAN D Course & Year: B.Pharm Third Year

Registration No: 561994O105 Date: 27.11.2021

Name of the Course: PHARMACEUTICAL INHALATION THERAPY IN RESPIRATORY 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

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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: ANJALI J

Course & Year: B. Pharm Third Year

Registration No: 561994003

Date: 27.11.2021

Name of the Course: PHARMACEUTICAL INHALATION THERAPY IN RESPIRATORY 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: PRAVEEN KUMAR. R Course & Year: B. Pharm. Third year

Registration No: 561894061 Date: 27.11.2021

Name of the Course: PHARMACEUTICAL INHALATION THERAPY IN RESPIRATORY 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 : TMS2104

Course Name : TIME MANAGEMENT IN STUDENT CARRIER

Date : 04.12.2021 to 29.01.2022 (All Saturday)

Course & Year : B. Pharm First Year

Course Objective : Participants by achieving these course objectives, students can develop the skills and mindset needed to manage their time effectively, make strategic decisions, and navigate their academic and career paths successfully

S. No	Topic	Hours
1	**Module-I:** The Psychology of Time Management, Determine Your Values, Think About Your Vision and Mission, Project Forward, Look Backward	6
2	**Module-II:** Make Written Plans, Chart Your Projects, Create Your Daily "To-Do" List, Set Clear Priorities, Stay on Track, Determine Your Key Result Areas	7
3	**Module-III:** Delegate to Others, Concentrate Single-Mindedly, Overcome Procrastination, Create Blocks of Time, Control Interruptions	9
4	**Module-IV:** Batch Your Tasks, Manage the Telephone, Conduct Effective Meetings, Read Faster, Remember More, Invest in Personal Development, Organize Your Work Space	8

Course Outcome:

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

1. Remember that effective time management is a skill that takes time to develop.
2. Experiment with different strategies, and don't be too hard on yourself if you face challenges along the way.
3. With practice and persistence, you can improve your time management skills and achieve better outcomes in your academic career.

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ADD-ON COURSE NAME: TIME MANAGEMENT IN STUDENT CARRIER

Course Code: TMS2104

RESOURCE PERSON



Name	: DR. J. PRIYA
Qualification	: M. Pharm., Ph.D.,
Designation	: Associate 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 90802 06848
Mail-ID	: priya@jkkmihscp.org
Experience	: 11 Year 04 Months

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ADD-ON COURSE NAME: TIME MANAGEMENT IN STUDENT CARRIER

Course Code: TMS2104

RESOURCE PERSON



Name	: DR. K. ABHENAYA
Qualification	: M. Pharm., Ph.D.,
Designation	: Associate Professor
Department	: Pharmaceutical Chemistry
Organization	: JKK Munirajah Institute of Health Sciences College of Pharmacy, Erode, Tailnadu.
Area of Specialization	: Pharmaceutical Organic Chemistry, Pharmaceutical Inorganic Chemistry, Medicinal Chemistry, Natural Products, Process Chemistry.
Phone number	: +91 99445 87328
Mail-ID	: abhenaya@jkkmihscp.org
Experience	: 6 Years 02 Months

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ADD-ON COURSE - SCHEDULE

Course Code : TMS2104

Course Name : TIME MANAGEMENT IN STUDENT CARRIER

Date : 04.12.2021 to 29.01.2022 (All Saturday)

Course & Year : B. Pharm First Year

S. No	Topic	Hours
1	UNIT-I: The Psychology of Time Management, Determine Your Values, Think About Your Vision and Mission, Project Forward, Look Backward	04.12.2021 DR. J. Priya & DR. K. Abhenaya
2	UNIT-II: Make Written Plans, Chart Your Projects, Create Your Daily "To-Do" List, Set Clear Priorities, Stay on Track, Determine Your Key Result Areas	18.12.2021 DR. J. Priya & DR. K. Abhenaya
3	UNIT-III: Delegate to Others, Concentrate Single-Mindedly, Overcome Procrastination, Create Blocks of Time, Control Interruptions	08.01.2022 DR. J. Priya & DR. K. Abhenaya
4	UNIT IV: Batch Your Tasks, Manage the Telephone, Conduct Effective Meetings	22.01.2022 DR. J. Priya & DR. K. Abhenaya
5	Read Faster, Remember More, Invest in Personal Development, Organize Your Work Space	29.01.2022 DR. J. Priya & DR. K. Abhenaya

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TIME MANAGEMENT IN STUDENT CARRIER- B PHARMACY (TMS2104)

Name of Student: S. Goutham **Course & Year:** B. Pharm Ist Year

Registration No: 560021516529 **Semester:**

Date: 21.9.22 **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

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

22/30

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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 IN STUDENT CARRIER- B PHARMACY (TMS2104)

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

Registration No: 560021516502 **Semester:**

Date: 29-10-2022 **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"?

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?

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C) Working for focused intervals followed by short breaks

D) Planning the entire week in advance

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D) To stay motivated and measure progress

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TIME MANAGEMENT IN STUDENT CARRIER- B PHARMACY (TMS2104)

Name of Student: Mahavarshini . K **Course & Year:** B. Pharm , I St Yea

Registration No: 560021516551 **Semester:**

Date: 29.1.22 **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

30/30

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?

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B) Parkinson's Law

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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?

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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 IN STUDENT CARRIER- B PHARMACY (TMS2104)

Name of Student: ARUNRAJ . K
Course & Year: B.Pharm First year
Registration No: 560021516511
Semester:
Date: 29.1.22
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

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?

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TIME MANAGEMENT IN STUDENT CARRIER- B PHARMACY (TMS2104)

Name of Student: NITHYA KEERTHI.R **Course & Year:** B.Pharm I st year

Registration No: 560021516562 **Semester:**

Date: 29.1.22 **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

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C) To minimize free time

D) To eliminate all non-essential activities

27/30

2) According to Brian Tracy, what is the "law of forced efficiency"?

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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?

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C) The 2-Minute Rule

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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?

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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) Organizing tasks alphabetically

D) Setting deadlines for tasks

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D) Focusing solely on part-time jobs

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ADD-ON COURSE: ANSWER KEY

Course Code : TMS2104

Course Name : TIME MANAGEMENT IN STUDENT CARRIER

Date : 04.12.2021 to 29.01.2022 (All Saturday)

Course & Year : B. Pharm First Year

ANSWER KEY

1. Answer: B) To achieve a sense of accomplishment
2. Answer: B) The principle of focusing on the most important tasks first
3. Answer: D) The "Salami Slice" method
4. Answer: C) Quadrant 2 tasks
5. Answer: B) Assigning a letter grade to each task based on its importance
6. Answer: B) Achieving high grades and academic success
7. Answer: C) Improved academic performance and reduced stress
8. Answer: C) By tackling the most important tasks first
9. Answer: C) Working for focused intervals followed by short breaks
10. Answer: D) To stay motivated and measure progress

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MARK STATEMENT

Course Code : TMS2104

Course Name : TIME MANAGEMENT IN STUDENT CARRIER

Date : 04.12.2021 to 29.01.2022 (All Saturday)

Course & Year : B. Pharm First Year

S.No	Student Name	Registration Number	Mark Secured
1	ABARNA S	560021516501	27
2	ABINAYA S	560021516502	21
3	ABISHEK R K	560021516503	27
4	AHAMED USMAN N	560021516504	30
5	AMBIKA S	560021516506	27
6	ANANDHI G R	560021516507	24
7	ANBUMANI C	560021516508	27
8	ANUTHRA A	560021516509	27
9	ARUN A	560021516510	30
10	ARUNRAJ K	560021516511	24
11	ARUNRAJ K	560021516512	21
12	BHARATHKANNAN M	560021516513	30
13	CHANDRU A	560021516514	30
14	CHANDRU K	560021516515	30
15	DEEPASELVI T	560021516517	30
16	DHANASRI K	560021516518	27
17	DHANUSH S	560021516519	27
18	DHARANI R S	560021516520	27
19	DHARUN PRAKASH M	560021516521	24
20	DINESH K	560021516522	27
21	FARISH MOHAMED A M	560021516523	27
22	GOBIKA R	560021516524	24
23	GOKILA K	560021516525	21
24	GOWRI SHANKAR V	560021516527	27
25	GOWRIMALA I	560021516528	27

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S.No	Student Name	Registration Number	Mark Secured
26	GOWTHAM S	560021516529	27
27	GUGAPRIYA M	560021516530	30
28	GUNA L	560021516531	27
29	HARI NIVAS V	560021516532	24
30	HARINI K	560021516533	21
31	HEMALATHA V	560021516534	30
32	HEMARANI S	560021516535	27
33	INDIRA M	560021516536	27
34	JENITHA M	560021516539	27
35	JOSHUA M	560021516540	30
36	KARTHICK K	560021516541	27
37	KAVIMANI S A	560021516543	27
38	KAVYASHREE C S	560021516545	30
39	KIRUTHIKA G	560021516546	27
40	KOKILA A	560021516547	24
41	MANOJ J	560021516549	27
42	MARUDHUPANDIYAN S	560021516550	27
43	MEHAVARSHINI K	560021516551	30
44	MELBIN J	560021516552	27
45	MOHANAPRIYAN K	560021516553	27
46	MOHANASUNDARAM A	560021516554	30
47	MOHANRAJ G	560021516555	24
48	MOHANRAM N	560021516556	30
49	MUNEESWARAN I	560021516558	27
50	NAVANEETHAKRISHNAN J	560021516559	27
51	NISHA K	560021516560	30
52	NITHISHKUMAR R	560021516561	27
53	NITHYA KEERTHI R	560021516562	27
54	PARTHIPAN M	560021516564	27
55	PAVITHRA S	560021516565	24
56	PRASANNA S	560021516566	24
57	PRITHIVIRAJ V	560021516568	27
58	RAGUL P	560021516569	24
59	RAJ KUMAR M	560021516570	27
60	RAJESHKANNAN R	560021516571	24

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S.No	Student Name	Registration Number	Mark Secured
61	RANJANI V	560021516572	27
62	RITHIKADEVI N	560021516573	30
63	SANJEEVI T	560021516574	27
64	SARANYA G	560021516575	24
65	SARVESHWARAN S	560021516576	30
66	SHALINI S	560021516580	27
67	SHAVEETHA A	560021516581	27
68	SHIBI S R	560021516582	30
69	SINDHU R	560021516583	27
70	SIRANJIVI D	560021516584	30
71	SNEKA K	560021516586	27
72	SOWMIYA SRI S	560021516587	24
73	SUGANTHAN M	560021516588	27
74	SWETHA S	560021516589	27
75	TAMIZHSELVAN M	560021516591	24
76	THIRISHA T	560021516592	21
77	VAISHNAVI G	560021516593	30
78	VALLARASU M	560021516594	27
79	VARUN K	560021516595	27
80	VASANTH R	560021516596	27
81	VASANTHA KUMAR A	560021516597	30
82	VINEETHKUMAR S	560021516598	27
83	YUVARAJ M	560021516599	27

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ADD ON COURSE FEEDBACK FORM

Name of the student: RITHIKADEVI.N Course & Year: B. Pharm first year

Registration No: 560021516573 Date: 29.01.2023

Name of the Course: TIME MANAGEMENT IN STUDENT CARRIER

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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Rithikadevi
Student Signature

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ADD ON COURSE FEEDBACK FORM

Name of the student: CHANDRU. K Course & Year: B.pharm First year

Registration No: 560021516515 Date: 29.01.2022

Name of the Course: TIME MANAGEMENT IN STUDENT CARRIER

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

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K. CHANDRU
Student Signature

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ADD ON COURSE FEEDBACK FORM

Name of the student: CHANDRU. A

Course & Year: B. PHARM FIRST YEAR.

Registration No: 560021516514.

Date: 29.01.2022.

Name of the Course: TIME MANAGEMENT IN STUDENT CARRIER

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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chandru.A.
Student Signature

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ADD ON COURSE FEEDBACK FORM

Name of the student: GOWTHAM . S Course & Year: B pharm first year

Registration No: 560021516529 Date: 29.01.2022

Name of the Course: TIME MANAGEMENT IN STUDENT CARRIER

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

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S. Gowtham
Student Signature

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ADD ON COURSE FEEDBACK FORM

Name of the student: RANJANI. V Course & Year: B. PHARM FIRST YEAR

Registration No: 560021516572 Date: 29.01.2022

Name of the Course: TIME MANAGEMENT IN STUDENT CARRIER

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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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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Ranjani. V.
Student Signature

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ADD-ON COURSE - SYLLABUS

Course Code : MSE2105

Course Name : MEDICATION SAFETY AND ERROR PREVENTION: ENHANCING PATIENT CARE

Date : 26.02.2022 to 26.03.2022 (All Saturday)

Course & Year : B. Pharm Second Year

Course Objective : Healthcare professionals can contribute to a safer healthcare environment, reduce the occurrence of medication errors, and ultimately improve patient outcomes and satisfaction

S. No	Topic	Hours
1	**Module-I: Introduction** Patient Safety Goals, Accountability, Definitions, adverse events	10
2	**Module-II: Function**-Reporting, root cause analysis, error prone situation	10
3	**Module-III: Issues of concern:** Types of medical errors, Information technology, Clinical significance, Enhancing healthcare team outcomes.	11

Course Outcome:

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

1. Acquire high knowledge about the medication safety and error prevention enhancing patient care.
2. Have a critical way of thinking based on current health care development.

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ADD-ON COURSE NAME: MEDICATION SAFETY AND ERROR

PREVENTION: ENHANCING PATIENT CARE

Course Code: MSE2105

RESOURCE PERSON



Name	: DR. N. JEGAN
Qualification	: M. Pharm.,
Designation	: Professor
Department	: Pharmacology
Organization	: KM College of Pharmacy, Erode, Tamilnadu.
Area of Specialization	: General Pharmacology, Biochemical Pharmacology, Clinical Toxicology, Pharmacodynamics, Drug Metabolism and Transporters.
Phone number	: +91 98940 74069
Mail-ID	: jeganrajam79@gmail.com
Experience	: 15 Year 04 Months

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ADD-ON COURSE NAME: MEDICATION SAFETY AND ERROR PREVENTION: ENHANCING PATIENT CARE

Course Code: MSE2105

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, Tailnadu.
Area of Specialization	: Pharmacology, Pharmacovigilance, Pharmacotherapeutics, Human Anatomy and Physiology
Phone number	: +91 98425 31241
Mail-ID	: revathi@jkkmihscp.org
Experience	: 03 Years 10 Months

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ADD-ON COURSE - SCHEDULE

Course Code : NSE2105

Course Name : MEDICATION SAFETY AND ERROR PREVENTION: ENHANCING PATIENT CARE

Date : 26.02.2022 to 26.03.2022 (All Saturday)

Course & Year : B. Pharm Second Year

S. No	Topic	Hours
1	UNIT-I: INTRODUCTION– Patient Safety Goals, Accountability, Definitions, adverse events	26.02.2022 DR. N. Jegan & Ms. M. Revathi
2	UNIT-II: Function-Reporting, root cause analysis	05.03.2022 DR. N. Jegan & Ms. M. Revathi
3	Error prone situation	12.03.2022 DR. N. Jegan & Ms. M. Revathi
4	UNIT-III: ISSUES OF CONCERN: Types of medical errors, Information technology	19.03.2022 DR. N. Jegan & Ms. M. Revathi
5	Clinical significance, Enhancing healthcare team outcomes	26.03.2022 DR. N. Jegan & Ms. M. Revathi

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MEDICATION SAFETY AND ERROR PREVENTION: ENHANCING PATIENT CARE

(MSE2105)

Name of Student: DIVYA . R **Course & Year:** B.pharm second year

Registration No: 560020516518 **Semester:**

Date: 26.03.2022 **Marks Secured:**

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

27/30

1. **What is the primary goal of medication safety initiatives in healthcare?**
   A) Reducing the cost of medications
   B) Minimizing the use of generic drugs
   C) Preventing medication errors and harm to patients
   D) Increasing the number of prescribed medications ✓
2. **Which of the following is a common example of a medication error?**
   A) Administering a medication at the wrong time of day
   B) Administering a medication at the correct dose
   C) Documenting medication administration accurately
   D) Consulting with a pharmacist before administering a medication ✓
3. **What is the "Five Rights" framework in medication administration?**
   A) The right medication, the right dose, the right patient, the right time, and the right provider
   B) The right medication, the right dose, the right patient, the right room, and the right day
   C) The right medication, the right dose, the right provider, the right payment, and the right documentation ✗
   D) The right medication, the right dose, the right room, the right day, and the right nurse
4. **How can barcode scanning technology enhance medication safety in hospitals?**
   A) By providing music for healthcare staff
   B) By making medications taste better
   C) By matching medication labels with patient wristbands to ensure the right patient receives the right medication
   D) By automatically prescribing medications ✓
5. **Which healthcare professional is primarily responsible for medication reconciliation during transitions of care?**
   A) Surgeon
   B) Pharmacist ✓
   C) Nurse
   D) Physical therapist

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6. **What is the purpose of the Medication Administration Record (MAR) in healthcare?**
   A) To track the number of medications in stock
   B) To document medication administration for each patient
   C) To schedule staff meetings
   D) To order medications from suppliers
7. **Which organization plays a key role in establishing national standards for medication safety?**
   A) World Health Organization (WHO)
   B) Food and Drug Administration (FDA)
   C) American Medical Association (AMA)
   D) American Pharmacists Association (APhA)
8. **What is the primary responsibility of the Institute for Safe Medication Practices (ISMP)?**
   A) Developing new medications
   B) Advocating for higher medication prices
   C) Promoting safe medication practices and error prevention
   D) Conducting clinical trials
9. **In healthcare, what is the term for a mistake that occurs during the prescribing, dispensing, or administering of medication?**
   A) Medication safety
   B) Medication reconciliation
   C) Medication error
   D) Medication assessment
10. **What role do patients play in medication safety and error prevention?**
    A) Patients have no role in medication safety.
    B) Patients should always follow healthcare instructions without question.
    C) Patients should actively participate by asking questions, understanding their medications, and reporting discrepancies.
    D) Patients should avoid taking any medications to reduce the risk of errors.

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MEDICATION SAFETY AND ERROR PREVENTION: ENHANCING PATIENT CARE

(MSE2105)

Name of Student: RAMYA E

Course & Year: B. Pharm second year

Registration No: 560020516056

Semester:

Date: 26.03.2022

Marks Secured:

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

24/30

1. **What is the primary goal of medication safety initiatives in healthcare?**
   A) Reducing the cost of medications
   B) Minimizing the use of generic drugs
   C) Preventing medication errors and harm to patients ✓
   D) Increasing the number of prescribed medications

2. **Which of the following is a common example of a medication error?**
   A) Administering a medication at the wrong time of day
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   C) Documenting medication administration accurately ✓
   D) Consulting with a pharmacist before administering a medication

3. **What is the "Five Rights" framework in medication administration?**
   A) The right medication, the right dose, the right patient, the right time, and the right provider
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   D) The right medication, the right dose, the right room, the right day, and the right nurse ✓

4. **How can barcode scanning technology enhance medication safety in hospitals?**
   A) By providing music for healthcare staff
   B) By making medications taste better ✗
   C) By matching medication labels with patient wristbands to ensure the right patient receives the right medication
   D) By automatically prescribing medications

5. **Which healthcare professional is primarily responsible for medication reconciliation during transitions of care?**
   A) Surgeon
   B) Pharmacist ✓
   C) Nurse
   D) Physical therapist

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   C) American Medical Association (AMA)
   D) American Pharmacists Association (APhA)

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   C) Promoting safe medication practices and error prevention
   D) Conducting clinical trials

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MEDICATION SAFETY AND ERROR PREVENTION: ENHANCING PATIENT CARE

(MSE2105)

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

Registration No: 560020516501 **Semester:**

Date: 26.03.2022 **Marks Secured:**

27/30

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

1. **What is the primary goal of medication safety initiatives in healthcare?**
   A) Reducing the cost of medications
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   C) Preventing medication errors and harm to patients
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   D) The right medication, the right dose, the right room, the right day, and the right nurse

4. **How can barcode scanning technology enhance medication safety in hospitals?**
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   C) By matching medication labels with patient wristbands to ensure the right patient receives the right medication
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5. **Which healthcare professional is primarily responsible for medication reconciliation during transitions of care?**
   A) Surgeon
   B) Pharmacist
   C) Nurse
   D) Physical therapist

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   C) American Medical Association (AMA)

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MEDICATION SAFETY AND ERROR PREVENTION: ENHANCING PATIENT CARE

(MSE2105)

Name of Student: AJAY . A **Course & Year:** B.Pharm II nd year.

Registration No: 560080516505 **Semester:**

Date: 26.03.2022. **Marks Secured:**

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

18/30

1. **What is the primary goal of medication safety initiatives in healthcare?**
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MEDICATION SAFETY AND ERROR PREVENTION: ENHANCING PATIENT CARE

(MSE2105)

Name of Student: Naveen.S **Course & Year:** B.Pharm 2nd year

Registration No: 560020816849. **Semester:**

Date: 26.3.22 **Marks Secured:**

30/30

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

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ADD-ON COURSE: ANSWER KEY

Course Code : MSE2105

Course Name : MEDICATION SAFETY AND ERROR PREVENTION: ENHANCING PATIENT CARE

Date : 26.02.2022 to 26.03.2022 (All Saturday)

Course & Year : B. Pharm Second Year

ANSWER KEY

1.D

2.C

3.C

4.C

5.B

6.C

7.B

8.C

9.C

10.D

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MARK STATEMENT

Course Code : NSE2105

Course Name : MEDICATION SAFETY AND ERROR PREVENTION: ENHANCING PATIENT CARE

Date : 26.02.2022 to 26.03.2022 (All Saturday)

Course & Year : B. Pharm Second Year

S.No	Student Name	Registration Number	Mark Secured
1	ABINATH A	560020516501	27
2	ABIRAMI K	560020516502	30
3	ABIRAMI L	560020516503	27
4	AINESH S	560020516504	24
5	AJAY A	560020516505	21
6	AKASH G	560020516506	18
7	ARAVIND V	560020516508	30
8	ARAVINDHAN V	560020516509	27
9	ARIVAZHAGAN S	560020516510	27
10	ARUN A	560020516511	24
11	ARUNPRAVIN K R	560020516512	27
12	ARUN BHARATHI A	560020516513	24
13	AYYANAR A	560020516514	27
14	BHARATH KUMAR T	560020516515	24
15	DHAMOTHARAN T	560020516516	27
16	DIVYA R	560020516518	27
17	ESWARAN A	560020516519	27
18	GIRIDHARAGANAPATHI R	560020516521	30
19	GOKULNATH K	560020516522	21
20	GOPINATH P	560020516524	30
21	GRACY S	560020516526	27
22	GUNA N	560020516527	27
23	JEEVA M	560020516528	30
24	JEEVANANTHA R	560020516529	21
25	KALAIMUHILAN B	560020516530	24

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S.No	Student Name	Registration Number	Mark Secured
26	KALEESWARAN K	560020516531	27
27	KARTHIKEYAN C	560020516532	30
28	KEERTHANA S	560020516533	27
29	KEERTHIKA A	560020516534	27
30	KESAVAMOORTHY S	560020516535	27
31	KISHORE M	560020516536	24
32	KOKILA V	560020516537	27
33	KOWSALYA S	560020516538	24
34	LOKEHWARAN E	560020516539	27
35	MADHANKUMAR M	560020516540	30
36	MANIGANDAN N	560020516542	30
37	MANOJ PRAKASH S	560020516544	30
38	MITHUNCHAKRAVARTHI S	560020516546	30
39	MONISHA M	560020516547	27
40	MOWLISHWARAN R	560020516548	27
41	NAVEEN S	560020516549	30
42	NAVEEN V	560020516550	24
43	PAVITHRA S	560020516551	27
44	PERARASAN M	560020516552	18
45	POOVENTHAN K	560020516553	21
46	PRAVEEN V	560020516554	30
47	RAJ NARENDRAN M	560020516555	27
48	RAMYA E	560020516556	24
49	RANJITH KUMAR R	560020516557	30
50	RANJITHKUMAR S	560020516558	27
51	RISHIKESAVAN M	560020516559	21
52	RUTHNAKUMAR S	560020516560	24
53	RUVITHA P	560020516561	27
54	SARANATHI K	560020516562	30
55	SARATHI D	560020516563	27
56	SATHISH S	560020516564	30
57	SHAJAHAN S	560020516566	27
58	SONA R	560020516567	30
59	SOUNDAR K	560020516568	27
60	SUBARANJANI P G	560020516569	27

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S.No	Student Name	Registration Number	Mark Secured
61	SUNDARRAJAN G	560020516570	27
62	SURENDHAR M	560020516571	30
63	TAMILSELVAM T	560020516573	27
64	THAIARASAN V	560020516574	24
65	TIVIN T V	560020516575	21
66	VAITHEESWARAN V	560020516576	30
67	VIGNESHWARAN S	560020516578	27
68	VIJAY V	560020516579	27
69	VIJO G	560020516580	27
70	VISHWANATH V	560020516581	30
71	YOGESHWARAN N	560020516583	30
72	YUVARAJ KRISHNAN N	560020516584	30
73	ABISHA D	560020516585	27
74	JANARTHANA SUTHAN T	560020516586	27
75	ABISHEK A S	561994001	27
76	ARUN K	561994007	30
77	DHANUSH S	561994018	30
78	HARAN K	561994034	30
79	KALAIVANNAN M	561994040	24
80	KARTHIKUMAR R	561994041	21
81	MAYILSAMY L	561994050	30
82	PERUMAL T	561994060	27
83	PRAVEEN KUMAR S	561994061	27
84	SELVENDIRAN S	561994080	24
85	SURENDIRAN S	561994086	30
86	VASANTH J	561994091	27
87	VENKATESH K	561994093	24
88	VETRIVEL T	561994094	30

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ADD ON COURSE FEEDBACK FORM

Name of the student: ABINATH. A

Course & Year: B.Pharm Second Year

Registration No: 560020516501

Date: 26.03.2022

Name of the Course: medication safety and error Prevention enhancing Patient Care

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: SUNDARRAJAN. G Course & Year: B.Pharm Second Year

Registration No: 560020516570 Date: 06.08.2022 - 26.03.2022

Name of the Course: Medication Safety and error Prevention enhancing Patient Care.

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: Ramya E Course & Year: B. Pharm Second year

Registration No: 560020516556 Date: 26.03.2022

Name of the Course: MEDICATION SAFETY AND ERROR PREVENTION ENHANCING PATIENT CARE

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: SOUNDAR . K Course & Year: B. pharm second year.

Registration No: 560020516568 Date: 26.03.2022

Name of the Course: MEDICATION SAFETY AND ERROR PREVENTION ENHANCING PATIENT CARE

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: ABIRAMI.K Course & Year: B.pharm second year

Registration No: 560020516502 Date: 26.02.2022 to 26.03.2022

Name of the Course: MEDICATION SAFETY AND ERROR PREVENTION : ENHANCING PATIENT CARE

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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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 : VPA2106

Course Name : VETERINARY PHARMACY: BRIDGING THE GAP BETWEEN MEDICINE AND ANIMAL HEALTH CARE

Date : 02.04.2022 to 07.05.2022 (All Saturday)

Course & Year : Pharm. D First Year

Course Objective : Healthcare participants will be well-equipped to contribute to the field of veterinary pharmacy, ensuring the safe and effective use of medications in animals and promoting the overall health and well-being of veterinary patients

S.No	Topic	Hours
1	**Module-I-DEFINITION:** A brief overview of veterinary pharmacy, History of veterinary pharmacy, The role of early pharmacists in animal health, legal and regulatory framework, Veterinary drug classification	10
2	**Module-II: PHARMACEUTICAL COMPOUNDING IN VETERINARY MEDICINE:** Case studies illustrating the importance of compounding, Prescription and Dispensing Practices, Labeling and packaging for veterinary medications, Medication Administration and Compliance	11
3	**Module-III: VETERINARY PHARMACEUTICAL FORMULATIONS:** Pharmacist's Role in Veterinary Medicine, Ethical and Moral Considerations, Future of Veterinary Pharmacy, Research areas and potential innovations.	10

Course Outcome:

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

1. Acquire high knowledge about veterinary pharmacy: bridging the gap between medicine and animal health care
2. Have a critical way of thinking based on current healthcare development.

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ADD-ON COURSE NAME: VETERINARY PHARMACY: BRIDGING THE GAP BETWEEN MEDICINE AND ANIMAL HEALTH CARE

Course Code: VPA2106

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	: 14 Years 02 Months

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ADD-ON COURSE NAME: VETERINARY PHARMACY: BRIDGING THE GAP BETWEEN MEDICINE AND ANIMAL HEALTH CARE

Course Code: VPA2106

RESOURCE PERSON



Name	: DR. C. KALAIYARASI
Qualification	: M. Pharm., Ph.D.,
Designation	: Professor
Department	: Pharmacology
Organization	: JKK Nataraja College of Pharmacy, Komarapalayam, Namakkal, Tamilnadu.
Area of Specialization	: Pharmacology & Toxicology, Human Anatomy & Physiology, Advanced Pharmacology, clinical pharmacology
Phone number	: +91 63749 96276
Mail-ID	: kalaiyarasichinnasamy@gmail.com
Experience	: 15 Year 09 Months

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ADD-ON COURSE - SCHEDULE

Course Code : VPA2106

Course Name : VETERINARY PHARMACY: BRIDGING THE GAP BETWEEN MEDICINE AND ANIMAL HEALTH CARE

Date : 02.04.2022 to 07.05.2022 (All Saturday)

Course & Year : Pharm. D First Year

S. No	Topic	Hours
1	UNIT-I-DEFINITION: A brief overview of veterinary pharmacy, History of veterinary pharmacy, The role of early pharmacists in animal health, legal and regulatory framework, Veterinary drug classification	02.04.2022 DR. C. Kalaiyarasi & DR. M. Periasamy
2	UNIT-II: PHARMACEUTICAL COMPOUNDING IN VETERINARY MEDICINE: Case studies illustrating the importance of compounding, Prescription and Dispensing Practices, Labeling	16.04.2022 DR. C. Kalaiyarasi & DR. M. Periasamy
3	Packaging for veterinary medications, Medication Administration and Compliance	23.04.2022 DR. C. Kalaiyarasi & DR. M. Periasamy
4	UNIT-III: VETERINARY PHARMACEUTICAL FORMULATIONS: Pharmacist's Role in Veterinary Medicine, Ethical and Moral Considerations	30.04.2022 DR. C. Kalaiyarasi & DR. M. Periasamy
5	Future of Veterinary Pharmacy, Research areas and potential innovations.	07.05.2022 DR. C. Kalaiyarasi & DR. M. Periasamy

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VETERINARY PHARMACY: BRIDGING THE GAP BETWEEN MEDICINE AND ANIMAL HEALTH CARE (VPA2106)

Name of Student: TARUNESHWAR. K **Course & Year:** PharmD I[st] year

Registration No: 3800221516526. **Semester:**

Date: 07.05.2022. **Marks Secured:**

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

30/30

1. What is the primary ethical consideration in veterinary pharmacy?

a) Profitability

b) Animal welfare ✓

c) Client satisfaction

d) Regulatory compliance

2. Pharmacogenomics in veterinary medicine focuses on:

a) Identifying the best-selling medications

b) Customizing drug therapies based on an animal's genetics ✓

c) Developing new drug delivery methods

d) Studying the impact of veterinary medications on the environment

3. The One Health approach emphasizes the interconnectedness of:

a) Human, animal, and environmental health ✓

b) Human, animal, and food production

c) Veterinary, medical, and dental care

d) Pharmaceuticals, biotechnology, and healthcare industries

4. In the context of veterinary pharmacy, what does PCPR stand for?

a) Personalized Care Prescription Ratio

b) Pharmacist-Care Provider Relationship

c) Pet Care Product Regulation

d) Pharmacist-Client-Patient Relationship ✓

5. Which of the following is NOT a potential innovation in veterinary pharmacy?

a) Sustainable pharmaceuticals

b) 3D printing of medications

c) Traditional compounding techniques ✓

d) AI-driven medication management

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6. What does pharmacovigilance in veterinary pharmacy involve?

a) Developing new medications for animals

b) Monitoring and reporting adverse events associated with veterinary medications

c) Promoting pharmaceutical sales to pet owners

d) Conducting clinical trials in animals

7. What technology can improve medication adherence for animal patients?

a) Transdermal patches

b) Smart pill dispensers

c) Telemedicine platforms

d) Oral medications

8. What is the primary goal of sustainability initiatives in veterinary pharmacy?

a) Increasing pharmaceutical profits

b) Reducing medication prices for consumers

c) Minimizing the environmental impact of medications

d) Promoting the use of generic drugs

9. Which of the following research areas in veterinary pharmacy focuses on improving accessibility to veterinary care?

a) One Health initiatives

b) Sustainable pharmaceuticals

c) Telemedicine and e-pharmacy services

d) Pharmacogenomics

10. What role does artificial intelligence (AI) play in veterinary pharmacy?

a) Monitoring pet owners' behaviour

b) Predicting disease outbreaks and optimizing treatment plans

c) Dispensing medications to animal patients

d) Designing sustainable packaging materials for pharmaceuticals

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VETERINARY PHARMACY: BRIDGING THE GAP BETWEEN MEDICINE AND ANIMAL HEALTH CARE (VPA2106)

Name of Student: SHAFEEQ.S
Course & Year: Pharm.D First year
Registration No: 38002151651S
Semester:
Date: 07-05-2022
Marks Secured:

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

24/30

1. What is the primary ethical consideration in veterinary pharmacy?

a) Profitability X
b) Animal welfare
c) Client satisfaction
d) Regulatory compliance

2. Pharmacogenomics in veterinary medicine focuses on:

a) Identifying the best-selling medications
b) Customizing drug therapies based on an animal's genetics
c) Developing new drug delivery methods
d) Studying the impact of veterinary medications on the environment X

3. The One Health approach emphasizes the interconnectedness of:

a) Human, animal, and environmental health ✓
b) Human, animal, and food production
c) Veterinary, medical, and dental care
d) Pharmaceuticals, biotechnology, and healthcare industries

4. In the context of veterinary pharmacy, what does PCPR stand for?

a) Personalized Care Prescription Ratio
b) Pharmacist-Care Provider Relationship
c) Pet Care Product Regulation
d) Pharmacist-Client-Patient Relationship ✓

5. Which of the following is NOT a potential innovation in veterinary pharmacy?

a) Sustainable pharmaceuticals
b) 3D printing of medications
c) Traditional compounding techniques ✓
d) AI-driven medication management

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6. What does pharmacovigilance in veterinary pharmacy involve?

a) Developing new medications for animals
b) Monitoring and reporting adverse events associated with veterinary medications
c) Promoting pharmaceutical sales to pet owners
d) Conducting clinical trials in animals

7. What technology can improve medication adherence for animal patients?

a) Transdermal patches
b) Smart pill dispensers
c) Telemedicine platforms
d) Oral medications

8. What is the primary goal of sustainability initiatives in veterinary pharmacy?

a) Increasing pharmaceutical profits
b) Reducing medication prices for consumers
c) Minimizing the environmental impact of medications
d) Promoting the use of generic drugs

9. Which of the following research areas in veterinary pharmacy focuses on improving accessibility to veterinary care?

a) One Health initiatives
b) Sustainable pharmaceuticals
c) Telemedicine and e-pharmacy services
d) Pharmacogenomics

10. What role does artificial intelligence (AI) play in veterinary pharmacy?

a) Monitoring pet owners' behaviour
b) Predicting disease outbreaks and optimizing treatment plans
c) Dispensing medications to animal patients
d) Designing sustainable packaging materials for pharmaceuticals

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VETERINARY PHARMACY: BRIDGING THE GAP BETWEEN MEDICINE AND ANIMAL HEALTH CARE (VPA2106)

Name of Student: INDHUJA . I **Course & Year:** pharm.D first year

Registration No: 3800215165 05 **Semester:**

Date: 7.05.2022 **Marks Secured:**

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

1. What is the primary ethical consideration in veterinary pharmacy?

a) Profitability ✓

b) Animal welfare

c) Client satisfaction

d) Regulatory compliance

27/30

2. Pharmacogenomics in veterinary medicine focuses on:

a) Identifying the best-selling medications

b) Customizing drug therapies based on an animal's genetics

c) Developing new drug delivery methods ✗

d) Studying the impact of veterinary medications on the environment

3. The One Health approach emphasizes the interconnectedness of:

a) Human, animal, and environmental health ✓

b) Human, animal, and food production

c) Veterinary, medical, and dental care

d) Pharmaceuticals, biotechnology, and healthcare industries

4. In the context of veterinary pharmacy, what does PCPR stand for?

a) Personalized Care Prescription Ratio

b) Pharmacist-Care Provider Relationship

c) Pet Care Product Regulation

d) Pharmacist-Client-Patient Relationship ✓

5. Which of the following is NOT a potential innovation in veterinary pharmacy?

a) Sustainable pharmaceuticals

b) 3D printing of medications

c) Traditional compounding techniques ✓

d) AI-driven medication management

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6. What does pharmacovigilance in veterinary pharmacy involve?

a) Developing new medications for animals

b) Monitoring and reporting adverse events associated with veterinary medications

c) Promoting pharmaceutical sales to pet owners

d) Conducting clinical trials in animals

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a) Transdermal patches

b) Smart pill dispensers

c) Telemedicine platforms

d) Oral medications

8. What is the primary goal of sustainability initiatives in veterinary pharmacy?

a) Increasing pharmaceutical profits

b) Reducing medication prices for consumers

c) Minimizing the environmental impact of medications

d) Promoting the use of generic drugs

9. Which of the following research areas in veterinary pharmacy focuses on improving accessibility to veterinary care?

a) One Health initiatives

b) Sustainable pharmaceuticals

c) Telemedicine and e-pharmacy services

d) Pharmacogenomics

10. What role does artificial intelligence (AI) play in veterinary pharmacy?

a) Monitoring pet owners' behaviour

b) Predicting disease outbreaks and optimizing treatment plans

c) Dispensing medications to animal patients

d) Designing sustainable packaging materials for pharmaceuticals

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VETERINARY PHARMACY: BRIDGING THE GAP BETWEEN MEDICINE AND ANIMAL HEALTH CARE (VPA2106)

Name of Student: SURYA .M
Course & Year: pharm D First year.
Registration No: 38002151 6523
Semester:
Date: 7.5.2022
Marks Secured:

21/30

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

1. What is the primary ethical consideration in veterinary pharmacy?

a) Profitability
b) Animal welfare ✓
c) Client satisfaction
d) Regulatory compliance

2. Pharmacogenomics in veterinary medicine focuses on:

a) Identifying the best-selling medications
b) Customizing drug therapies based on an animal's genetics ✓
c) Developing new drug delivery methods
d) Studying the impact of veterinary medications on the environment

3. The One Health approach emphasizes the interconnectedness of:

a) Human, animal, and environmental health ✓
b) Human, animal, and food production
c) Veterinary, medical, and dental care
d) Pharmaceuticals, biotechnology, and healthcare industries

4. In the context of veterinary pharmacy, what does PCPR stand for?

a) Personalized Care Prescription Ratio
b) Pharmacist-Care Provider Relationship
c) Pet Care Product Regulation
d) Pharmacist-Client-Patient Relationship ✓

5. Which of the following is NOT a potential innovation in veterinary pharmacy?

a) Sustainable pharmaceuticals
b) 3D printing of medications
c) Traditional compounding techniques
d) AI-driven medication management X

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6. What does pharmacovigilance in veterinary pharmacy involve?

a) Developing new medications for animals
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d) Conducting clinical trials in animals

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a) Transdermal patches
b) Smart pill dispensers
c) Telemedicine platforms
d) Oral medications

8. What is the primary goal of sustainability initiatives in veterinary pharmacy?

a) Increasing pharmaceutical profits
b) Reducing medication prices for consumers
c) Minimizing the environmental impact of medications
d) Promoting the use of generic drugs

9. Which of the following research areas in veterinary pharmacy focuses on improving accessibility to veterinary care?

a) One Health initiatives
b) Sustainable pharmaceuticals
c) Telemedicine and e-pharmacy services
d) Pharmacogenomics

10. What role does artificial intelligence (AI) play in veterinary pharmacy?

a) Monitoring pet owners' behaviour
b) Predicting disease outbreaks and optimizing treatment plans
c) Dispensing medications to animal patients
d) Designing sustainable packaging materials for pharmaceuticals

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VETERINARY PHARMACY: BRIDGING THE GAP BETWEEN MEDICINE AND ANIMAL HEALTH CARE (VPA2106)

Name of Student: MONIK RAJ T
Course & Year: Pharm D First year
Registration No: 38002151651 0
Semester:
Date: 7.5.2022
Marks Secured:

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

27/30

1. What is the primary ethical consideration in veterinary pharmacy?

a) Profitability
b) Animal welfare ✓
c) Client satisfaction
d) Regulatory compliance

2. Pharmacogenomics in veterinary medicine focuses on:

a) Identifying the best-selling medications
b) Customizing drug therapies based on an animal's genetics ✓
c) Developing new drug delivery methods
d) Studying the impact of veterinary medications on the environment

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b) Human, animal, and food production
c) Veterinary, medical, and dental care
d) Pharmaceuticals, biotechnology, and healthcare industries

4. In the context of veterinary pharmacy, what does PCPR stand for?

a) Personalized Care Prescription Ratio
b) Pharmacist-Care Provider Relationship
c) Pet Care Product Regulation
d) Pharmacist-Client-Patient Relationship ✓

5. Which of the following is NOT a potential innovation in veterinary pharmacy?

a) Sustainable pharmaceuticals
b) 3D printing of medications
c) Traditional compounding techniques ✓
d) AI-driven medication management

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6. What does pharmacovigilance in veterinary pharmacy involve?

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b) Monitoring and reporting adverse events associated with veterinary medications

c) Promoting pharmaceutical sales to pet owners

d) Conducting clinical trials in animals

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a) Transdermal patches

b) Smart pill dispensers

c) Telemedicine platforms

d) Oral medications

8. What is the primary goal of sustainability initiatives in veterinary pharmacy?

a) Increasing pharmaceutical profits

b) Reducing medication prices for consumers

c) Minimizing the environmental impact of medications

d) Promoting the use of generic drugs

9. Which of the following research areas in veterinary pharmacy focuses on improving accessibility to veterinary care?

a) One Health initiatives

b) Sustainable pharmaceuticals

c) Telemedicine and e-pharmacy services

d) Pharmacogenomics

10. What role does artificial intelligence (AI) play in veterinary pharmacy?

a) Monitoring pet owners' behaviour

b) Predicting disease outbreaks and optimizing treatment plans

c) Dispensing medications to animal patients

d) Designing sustainable packaging materials for pharmaceuticals

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ADD-ON COURSE: ANSWER KEY

Course Code : VPA2106

Course Name : VETERINARY PHARMACY: BRIDGING THE GAP BETWEEN MEDICINE AND ANIMAL HEALTH CARE

Date : 02.04.2022 to 07.05.2022 (All Saturday)

Course & Year : Pharm. D First Year

ANSWER KEY

1. b) Animal welfare
2. b) Customizing drug therapies based on an animal's genetics
3. a) Human, animal, and environmental health
4. d) Pharmacist-Client-Patient Relationship
5. c) Traditional compounding techniques
6. b) Monitoring and reporting adverse events associated with veterinary medications
7. b) Smart pill dispensers
8. c) Minimizing the environmental impact of medications
9. c) Telemedicine and e-pharmacy services
10. b) Predicting disease outbreaks and optimizing treatment plans

Co-Ordinator

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MARK STATEMENT

Course Code : VPA2106

Course Name : VETERINARY PHARMACY: BRIDGING THE GAP BETWEEN MEDICINE AND ANIMAL HEALTH CARE

Date : 02.04.2022 to 07.05.2022 (All Saturday)

Course & Year : Pharm. D First Year

S.No	Student Name	Registration Number	Mark Secured
1	ABDUL BASIDH M	380021516501	27
2	AJAY M	380021516502	21
3	DHANUSH KUMAR R	380021516503	24
4	HARISH M	380021516504	27
5	INDHUJA I	380021516505	27
6	JAGADEESHKUMAR P	380021516506	27
7	MANMATHAN V	380021516508	27
8	MOHAMED MUHSEEN M	380021516509	30
9	MONIK RAJ T	380021516510	27
10	MOWLISWAR S	380021516511	27
11	NANDHA S	380021516512	30
12	PRAVINRAJ N	380021516513	27
13	PRIYADHARSHINI S	380021516514	27
14	ROHAN S	380021516515	27
15	SAKTHIVEL S	380021516516	27
16	SARANYA T	380021516517	30
17	SHAFEEQ S	380021516518	24
18	SIVAPRAKASH V	380021516519	21
19	SOUNDARYA S	380021516520	30
20	STEPHAN D	380021516521	24
21	SUJIN T	380021516522	30
22	SURYA M	380021516523	21
23	SWETHA A	380021516524	24
24	TAMIL SELVAN V	380021516525	27
25	TARUNESHVAR K	380021516526	30
26	THANISH T	380021516527	18

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ADD ON COURSE FEEDBACK FORM

Name of the student: SIVAPRAKASH V Course & Year: Pharm.D First Year

Registration No: 380021516519 Date: 07.05.2022

Name of the Course: VETERINARY PHARMACY : BRIDGING THE GAP BETWEEN MEDICINE AND ANIMAL HEALTH CARE.

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: TAMIL SELVAN.V Course & Year: Pharm. D, First year

Registration No: 380021516526 Date: 7:5:2022

Name of the Course: VETERINARY PHARMACY: BRIDGING THE GAP BETWEEN MEDICINE AND ANIMAL HEALTH CARE

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: TARUNESHVAR.K Course & Year: Pharm.D First year

Registration No: 38002151 6526 Date: 07.05.2022

Name of the Course: VETERINARY PHARMACY : BRIDGING THE GAP BETWEEN MEDICINE AND ANIMAL HEALTH CARE

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

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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

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Student Signature

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ADD ON COURSE FEEDBACK FORM

Name of the student: ROHAN . S Course & Year: pharm . D First Year

Registration No: 380021516515 Date: 07 . 05 . 2022

Name of the Course: VETERINARY PHARMACY : BRIDGING THE GAP BETWEE

Evaluating the Following Questions MEDICINE AND ANIMAL HEALTH CARE

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?

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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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ADD ON COURSE FEEDBACK FORM

Name of the student: HARISH.M Course & Year: Pharm.D

Registration No: 38002151 6503 Date: 7.5.2022

Name of the Course: VETERNARY PHARMACY : BRIDRING THE GAP BETWEEN MEDICINE AND ANIMAL CARE

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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   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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Gobi (Tk), Erode (Dt) - 638 506

Harish

Student Signature

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ADD-ON COURSE - SYLLABUS

Course Code : DRP2107

Course Name : DRUG REPURPOSING: AN EMERGING APPROACH IN DRUG DISCOVERY

Date : 02.04.2022 to 07.05.2022 (All Saturday)

Course & Year : M. Pharm First Year

Course Objective : Participants will gain a solid understanding of the principles, methodologies, and applications of drug repurposing, positioning them to contribute to innovative and efficient drug discovery practices.

S. No	Topic	Hours
1	**Module-I: DRUG REPURPOSING** – Advantages, methods, examples, challenges, future potential	10
2	**Module-II: SAVES TIMES AND MONEY COMPARED TO DEVELOPING NEW DRUGS** - Climate change, space exploration, renewable energy, mental health,	5
3	**Module-III: UTILIZING EXISTING DRUG DATA:** Faster clinical implantation, public private partnership, computational approaches	10
4	**Module-IV: MOLECULAR DOCKING:** Bioinformatics, experimental studies, preclinical research, Repurposed use, Ensuring safety and efficacy for new indications.	6

Course Outcome:

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

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

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ADD-ON COURSE NAME: DRUG REPURPOSING: AN EMERGING APPROACH IN DRUG DISCOVERY

Course Code: DRP2107

RESOURCE PERSON



Name	: DR. G. VINOTHAPOOSHAN
Qualification	: M. Pharm., Ph.D.,
Designation	: Associate Professor
Department	: Pharmaceutics
Organization	: Arulmigu Kalasalingam College of Pharmacy, Krishnan Kovil, Virudhunagar, Tamilnadu.
Area of Specialization	: Pharmaceutics, Physical Pharmacy, Industrial Pharmacy, Novel Drug Delivery System, Cosmetic Sciences, Pharmaceutical Formulation, Nanotechnology, Novel Drug Delivery System
Phone number	: +91 90039 25162
Mail-ID	: viji.pooshan@gmail.com
Experience	: 14 Year 05 Months

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ADD-ON COURSE NAME: DRUG REPURPOSING: AN EMERGING APPROACH IN DRUG DISCOVERY

Course Code: DRP2107

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	: 10 Years 08 Months

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ADD-ON COURSE - SCHEDULE

Course Code : DRP2107

Course Name : DRUG REPURPOSING: AN EMERGING APPROACH IN DRUG DISCOVERY

Date : 02.04.2022 to 07.05.2022 (All Saturday)

Course & Year : M. Pharm First Year

S. No	Topic	Hours
1	UNIT-I: DRUG REPURPOSING – Advantages, methods, examples, challenges, future potential	02.04.2022 DR. G. Vinothapooshan & DR. S. Selvaraj
2	UNIT-II: SAVES TIMES AND MONEY COMPARED TO DEVELOPING NEW DRUGS-climate change, space exploration, renewable energy, mental health,	16.04.2022 DR. G. Vinothapooshan & DR. S. Selvaraj
3	UNIT-III: UTILIZING EXISTING DRUG DATA: faster clinical implantation,	23.04.2022 DR. G. Vinothapooshan & DR. S. Selvaraj
4	Public private partnership, computational approaches	30.04.2022 DR. G. Vinothapooshan & DR. S. Selvaraj
5	UNIT-IV: MOLECULAR DOCKING: bioinformatics, experimental studies, preclinical research, Repurposed use, Ensuring safety and efficacy for new indications	07.05.2022 DR. G. Vinothapooshan & DR. S. Selvaraj

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DRUG REPURPOSING: AN EMERGING APPROACH IN DRUG DISCOVERY (DRP2107)

Name of Student: T. Bharani
Course & Year: M. Pharm I st Year
Registration No: 26112151650l
Semester:
Date: 7.5.22
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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DRUG REPURPOSING: AN EMERGING APPROACH IN DRUG DISCOVERY (DRP2107)

Name of Student: Logesh . E
Registration No: 261121516504
Date: 7.5.2023

Course & Year: M. Pharm 1st year
Semester:
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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DRUG REPURPOSING: AN EMERGING APPROACH IN DRUG DISCOVERY (DRP2107)

Name of Student: Pratheepa.S
Course & Year: M.Pharm. First year
Registration No: 261121516507
Semester:
Date: 7.5.22
Marks Secured:

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

30/30

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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DRUG REPURPOSING: AN EMERGING APPROACH IN DRUG DISCOVERY (DRP2107)

Name of Student: Devibala . N
Course & Year: M. Pharm , I^St Year
Registration No: 261121516502
Semester:
Date: 7/5/22
Marks Secured:

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

27/30

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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DRUG REPURPOSING: AN EMERGING APPROACH IN DRUG DISCOVERY (DRP2107)

Name of Student: YATHEESH R
Course & Year: M. Pharm, I st year
Registration No: 261121516512
Semester:
Date: 07.05.22
Marks Secured:

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

27/30

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 : DRP2107

Course Name : DRUG REPURPOSING: AN EMERGING APPROACH IN DRUG DISCOVERY

Date : 02.04.2022 to 07.05.2022 (All Saturday)

Course & Year : M. Pharm First Year

ANSWER KEY

1. b) Finding new therapeutic uses for existing drugs

2. d) All of the above

3. b) Analyzing drug databases

4. c) Identifying potential drug-protein interactions

5. c) Testing existing drugs on different diseases

6. a) Aspirin

7. c) Multiple myeloma and leprosy.

8. c) Intellectual property issues

9. a) Regulatory approval

10. 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 : DRP2107

Course Name : DRUG REPURPOSING: AN EMERGING APPROACH IN DRUG DISCOVERY

Date : 02.04.2022 to 07.05.2022 (All Saturday)

Course & Year : M. Pharm First Year

S.No	Student Name	Registration Number	Mark Secured
1	BHARANI T	261121516501	27
2	DEVI BALA N	261121516502	27
3	KAVIYA K	261121516503	30
4	LOGESH E	261121516504	27
5	MANIMEKALA K	261121516505	27
6	PRATHEEPA S	261121516507	30
7	PREETHI R	261121516508	27
8	RAJESHWARI M K	261121516509	27
9	VASUDEVAN G	261121516511	30
10	YATHEESH R	261121516512	27
11	LILLY PUSHPAM J	261221516501	27
12	VANATHI B	261221516502	30

Co-Ordinator

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ADD ON COURSE FEEDBACK FORM

Name of the student: DEVI BALA.N Course & Year: M.PHARM, FIRST YEAR.

Registration No: 261121516502 Date: 07/05/2022

Name of the Course: DRUG REPURPOSING; AN EMERGING APPROACH IN DRUG DISCOVERY.

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: PREETHI.R Course & Year: M.Pharm First Year

Registration No: 261121516508 Date: 07.05.2022

Name of the Course: DRUG REPURPOSING : AN EMERGENCY APPROACH IN DRUG DISCOVERY

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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R. Preethi

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ADD ON COURSE FEEDBACK FORM

Name of the student: LOGESH. E Course & Year: m.pharm First year

Registration No: 261121516504 Date: 07.05.2023

Name of the Course: DRUG REPURPOSING AN EMERGING APPROACH IN DRUG DISCOVERY

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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E. logesh
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ADD ON COURSE FEEDBACK FORM

Name of the student: BHARANI. T Course & Year: M. PHARM, FIRST YEAR

Registration No: 261121516501 Date: 07/05/2022

Name of the Course: DRUG REPURPOSING: AN EMERGING APPROACH IN DRUG DISCOVERY

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: KAVIYA. K Course & Year: M. Pharm first year

Registration No: 261121516502 Date: 07/05/2022

Name of the Course: DRUG REPURPOSING : AN EMERGING APPROACH IN DRUG DISCOVERY

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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