

Reg. No.

Manipal College of Pharmaceutical Sciences
Manipal Academy of Higher Education, Manipal
University Examination –July/August 2021
IV Year PharmD/ I Year PharmD (PB)
Subject: PPR 4.1 T : Pharmacotherapeutics-3

Date: 27-07-2021

Time: 02:30 pm - 04:30 pm

Max. Marks: 50

Instructions: Answer ALL questions.**Long Answer Questions****2X10=20 Marks**

1. Explain the different complications and its management of Alcoholic Liver Disease.
2. Classify Epilepsy and explain its management.

Short Answer Questions**6X5=30 Marks**

3. Explain management of warfarin in Deep Vein Thrombosis (DVT).
4. Explain principles of Evidence based medicine.
5. Discuss the management of Anxiety Disorders.
6. Discuss the management of Schizophrenia.
7. Explain the management of Cancer pain.
8. Write the IHS diagnostic criteria for migraine with aura and without aura.

"End of the question paper."

Manipal College of Pharmaceutical Sciences
Manipal Academy of Higher Education, Manipal
Fourth Year Pharm D /First Year Pharm D (Post Baccalaureate)–
University Examination – July/August 2021
Subject: PPR 4.2T: Hospital Pharmacy

Date: 05-08-2021

Duration: 2.30 – 4.30pm

Max. Marks: 50

Instructions: Answer ALL questions.

Section A: Long Answer Questions

(2 × 10 marks = 20 marks)

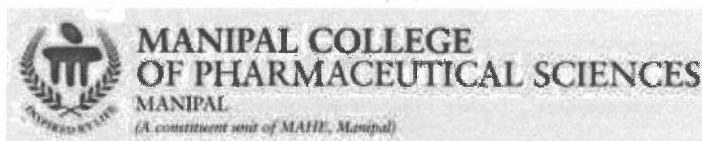
1. What is Hospital formulary and formulary system? Discuss the preparation of Hospital Formulary in detail.
2. Explain the manufacturing process for tablets and the causes and remedies of Capping, Chipping and Cracking processing problems in tablet preparations.

Section B: Short Answer Questions

(4 × 5 marks = 20 marks)

1. Draw an organization chart of Hospital Pharmacy in large hospital.
2. What is Institutional Ethical Committee? Explain the procedure for approval of study protocol involving human subjects.
3. Explain the ABC Analysis method of inventory control.
4. Define Unit dose. Explain the procedure of unit dose drug distribution system.
5. Describe various Pharmaceutical services rendered by the hospital pharmacists.
6. What are the opportunities for hospital pharmacist in improving the professional and the practices relations in a hospital?

“End of question paper”



Manipal Academy of Higher Education
IV Year Pharm D/ I Pharm D (PB) Degree Examination- July 2021
Subject Code: PPR. 4.3T Clinical Pharmacy

Date: 29-07-2021

Duration: 2 Hour (Time: 2.30 pm to 4.30 pm)

Max. Marks: 50

Instructions:

- Answer ALL questions.
- In each page students must write class, registration no, name, signature with date.
- Students should view before writing and press turn in button after uploading answer before due time or close time.

Section A: Long Answer Questions (2 x 10 marks = 20 marks)

Marks

1. Explain drug therapy monitoring activities by clinical pharmacists. 10
2. Differentiate various drug information resources with its advantages and disadvantages. 10

Section B: Short Answer Questions (6 x 5 marks = 30 marks)

Marks

1. Explain thyroid function tests with its clinical significance. 5
2. Discuss various RBC indices with its clinical significance. 5
3. Explain the importance of review of HEENT in patient data. 5
4. Explain any two technique to respond assertively in a communication process. 5
5. Explain the factors that contribute to medication errors. 5
6. Describe any one method of causality assessment of adverse drug reactions. 5



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MANIPAL ACADEMY OF HIGHER EDUCATION

First Year Pharm D (PB)/Fourth Year Pharm D Degree Examinations- July 2021

Subject code: PPR 4.4T Subject: Biostatistics & Research Methodology

Date: 07-08-2021

Duration: 2 Hour (Time: 2.30 to 4.30 PM)

Max. Marks: 50

Instructions:

- **Answer ALL questions.**
- **Draw diagrams wherever necessary.**
- **In each page students must write class, registration no, name, signature with date.**
- **Students should view before writing and press turn in button after uploading answer scripts before due time or close time.**
- **ANSWER PAPERS SUBMITTED THROUGH E-MAIL WILL NOT BE ACCEPTED**

Section A: Long Answer Questions (2 x 10 marks = 20 marks)

Marks

1. Explain the calculation of each descriptive statistics with suitable examples and describe their properties. 10
2. Explain the theory behind ANOVA group of tests and write the general steps involved in the calculation of One-way ANOVA. 10

Section B: Short Answer Questions (6x 5 marks = 30 marks)

Marks

3. Enlist general rules for constructing graphs and diagrams and discuss bar charts in detail. 5
4. A case control study was conducted to assess the relationship between human herpes virus-8 (HHV-8) infection and Kaposi's sarcoma. Prevalence of Kaposi's sarcoma in men who had HHV-8 and those who had no HHV-8 infection is given in below table. Is there any association between history of HHV-8 infection and Kaposi's sarcoma? (Note: Relevant statistical table is given on page No.2) 5

History of HHV-8 infection	Kaposi's sarcoma	
	Yes	No
Yes	13	30
No	34	194

5. Define and discuss odds ratio and relative risk with suitable example. 5
6. Enlist various analytical study designs and explain any one in detail. 5
7. A randomized double-blind placebo-controlled trial was planned to study the efficacy of a new Covid-19 vaccine. Under the assumption that rate of Covid-19 is reduced from 80% in the placebo group to 60% in the new vaccine treated group, to achieve a power of 80% at 95% level of confidence, what would be the sample size required in each group? (Given: $Z_{\alpha}=1.96$; $Z_{\beta}=0.84$) 5
8. Enlist various Applications of computers in hospital and clinical pharmacy. 5

Distribution of χ^2

d.f.	Probability					
	0.50	0.10	0.05	0.02	0.01	0.001
1	0.455	2.706	3.841	5.412	6.635	10.827
2	1.386	4.605	5.991	7.824	9.210	13.815
3	2.366	6.251	7.815	9.837	11.345	16.268
4	3.357	7.779	9.488	11.668	13.277	18.465
5	4.351	9.236	11.070	13.388	15.086	20.517
6	5.348	10.645	12.592	15.033	16.812	22.457
7	6.346	12.017	14.067	16.622	18.475	24.322
8	7.344	13.362	15.507	18.168	20.090	26.125
9	8.343	14.684	16.919	19.679	21.666	27.877
10	9.342	15.987	18.307	21.161	23.209	29.588
11	10.341	17.275	19.675	22.618	24.725	31.264
12	11.340	18.549	21.026	24.054	26.217	32.909
13	12.340	19.812	22.362	25.472	27.688	34.528
14	13.339	21.064	23.685	26.873	29.141	36.123
15	14.339	22.307	24.996	28.259	30.578	37.697
16	15.338	23.542	26.296	29.633	32.000	39.252
17	16.338	24.769	27.587	30.995	33.409	40.790
18	17.338	25.989	28.869	32.346	34.805	42.312
19	18.338	27.204	30.144	33.687	36.191	43.820
20	19.337	28.412	31.410	35.020	37.566	45.315
21	20.337	29.615	32.671	36.343	38.932	46.797
22	21.337	30.813	33.924	37.659	40.289	48.268
23	22.337	32.007	35.172	38.968	41.638	49.728
24	23.337	33.196	36.415	40.270	42.980	51.179
25	24.337	34.382	37.652	41.566	44.314	52.620
26	25.336	35.563	38.885	42.856	45.642	54.052
27	26.336	36.741	40.113	44.140	46.963	55.476
28	27.336	37.916	41.337	45.419	48.278	56.893
29	28.336	39.087	42.557	46.693	49.588	58.302
30	29.336	40.256	43.773	47.962	50.892	59.703

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Manipal College of Pharmaceutical Sciences
Manipal Academy of Higher Education, Manipal
University Examination –July/August 2021
IV Year PharmD/ I Year PharmD (PB)
Subject: PPR 4.5 T : Biopharm & PK

Date: 03-08-2021

Time: 02:30 pm - 04:30 pm

Max. Marks: 50

Instructions: Answer ALL questions.

Long Answer Questions

2X10=20 Marks

1. Explain about the mechanisms of absorption of drugs
2. Describe about the one compartment open model for IV bolus administration

Short Answer Questions

6X5=30 Marks

3. Explain patient related factors affecting distribution
4. Explain the concept of clearance and describe renal elimination of drugs
5. Describe non-compartment model
6. Brief on bio-availability study designs
7. Discuss about a two compartment model for IV bolus
8. Describe about Physiologically based Pharmacokinetic model

“End of the question paper.”



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**Manipal Academy of Higher Education
IV Year Pharm D/ I Pharm D (PB) Degree Examination- July 2021
Subject Code: PPR. 4.6T Clinical Toxicology**

Date: 31-07-2021

Duration: 2 Hour (Time: 2.30 pm to 4.30 pm)

Max. Marks: 50

Instructions:

- **Answer ALL questions**
- **Draw diagrams wherever necessary**
- **In each page, students must write class, registration no, name, signature with date**
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Section A: Long Answer Questions (2 x 10 marks = 20 marks)

1. Explain different gut decontamination process in the general management of poisoning
2. Enlist different clinical signs and symptoms of Methanol poisoning. Explain its management in detail

Section B: Short Answer Questions (6x 5 marks = 30 marks)

3. Discuss the management of Acetaminophen poisoning
4. Explain the different sources of Arsenic poisoning and explain its management
5. Explain first aid measures of Snake bite poisoning
6. Describe different Mushrooms poisoning with its toxidromes
7. Discuss mechanism of toxicity and toxic effects of Cannabis abuse
8. Write a note on Fagerstrom test for nicotine dependence

Manipal College of Pharmaceutical Sciences, Manipal
First year ~~B Pharm~~ University Examination, July 2021

Subject: Pharmacotherapeutics 1 & 2 Subject Code: PPR4.7 T

Date: 9-8-2021

Time: 2.30 pm to 4.30 pm

Max. Marks: 50

Instructions: Answer ALL questions.

Long Answer Questions (2 × 10 marks = 20 marks)		
1.	Describe pathogenesis, severity classification and management of Asthma.	10 marks
2.	Explain the pharmacotherapy of Psoriasis.	10 marks
Short Answer Questions (6 × 5 marks = 30 marks)		
3.	Explain the pharmacotherapy of Meningitis	
4.	Describe the treatment options of hypothyroidism	
5.	Explain the pharmacotherapy of Diabetes	
6.	Explain General prescribing guidelines paediatric patients.	
7.	Explain the pharmacotherapy of Acute lymphocytic (or lymphoblastic) leukaemia (ALL)	
8.	Define Glaucoma and explain the management of open angle glaucoma.	
“End of question paper”		