

QP Code:3101



Hall Ticket Number

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SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA (Co-Ed.)(Autonomous)
Pharm.D(PB) (3 YDC) I Year (Main) Examination, AUGUST-2026

Course:Pharmacotherapeutics III

Time: 3 Hours Max.

Marks: 70

Question No.	Question	CO	BL
PART-A	Answer the following questions.	10 × 2 = 20	
1	Differentiate Crohn's disease and ulcerative colitis	<i>I</i>	2
2	List out 5 major symptoms of GERD.	<i>I</i>	1
3	Define anaemia and classify its common types.	<i>II</i>	1
4	Define aplastic anaemia and list four causes.	<i>II</i>	1
5	Discuss the etiology of stroke	<i>III</i>	6
6	Classify different types of Epilepsy	<i>III</i>	4
7	List the common triggers of migraine	<i>IV</i>	1
8	Explain the types of NSAIDs used in pain management	<i>IV</i>	5
9	Discuss about Evidence based medicine	<i>V</i>	6
10	Discuss the principles of Evidence based medicine	<i>V</i>	6

Question No.	Question	CO	BL
PART-B	Answer any 5 questions.	5 × 10 = 50	
11	Describe the management of drug induced liver disorder	<i>I</i>	3
12	Describe the Causes, Manifestations, and Management of Alcoholic Liver Disease (ALD)	<i>I</i>	3
13	Evaluate the selection of anticoagulants in venous thromboembolism with respect to efficacy, safety, monitoring requirements and patient-specific factors.	<i>II</i>	5
14	Explain in detail about oral iron therapy and parenteral iron therapy.	<i>II</i>	5
15	Outline the etiopathogenesis of Alzheimers disease and discuss the role of anti-cholinesterase inhibitors in its management	<i>III</i>	2
16	Discuss about management of obsessive compulsive disorders	<i>III</i>	6
17	Explain the types and clinical manifestations of Neuralgia	<i>IV</i>	5
18	Explain the role of Pharmacist in Evidence based medicine	<i>V</i>	5

QP Code:3102



Hall Ticket Number

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SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA (Co-Ed.)(Autonomous)
Pharm.D(PB) (3 YDC) I Year (Main) Examination, AUGUST-2026

Course:Hospital Pharmacy

Time: 3 Hours Max.

Marks: 70

Question No.	Question	CO	BL
PART-A	Answer the following questions.	10 × 2 = 20	
1	Explain the organization and functions of a hospital pharmacy.	I	2
2	Demonstrate the procedure followed for procurement and storage of medicines in a hospital.	I	3
3	List the major components of a hospital pharmacy budget	II	1
4	Differentiate between the functions of the infection committee and the research & ethical committee.	II	4
5	Mention two differences between LVPs and SVPs.	III	1
6	Differentiate between wet granulation and dry granulation.	III	5
7	Describe the manufacturing process of an ointment.	IV	2
8	Demonstrate the aseptic technique followed in filling of small volume parenterals.	IV	3
9	Mention any two functions of the P&T Committee.	V	1
10	What is Continuing Professional Development (CPD)?	V	4

Question No.	Question	CO	BL
PART-B	Answer any 5 questions.	5 × 10 = 50	
11	Discuss the staffing pattern, infrastructure, and workload statistics of a hospital pharmacy, and analyze their impact on service delivery.	I	4
12	Describe the importance of budgeting in hospital pharmacy and explain the steps involved in budget preparation and implementation.	II	2
13	Discuss the process of developing a hospital drug policy and analyze the role of the infection and ethical committees in supporting this policy.	II	4
14	Discuss the role of Quality Assurance (QA) and Quality Control (QC) in the manufacture of sterile and non-sterile pharmaceutical preparations.	III	3
15	Explain the tablet manufacturing process with a neat flow chart. Discuss the in-process quality control tests.	III	5
16	Describe the general principles of manufacturing pharmaceutical preparations in a hospital pharmacy, including GMP requirements.	IV	2
17	Explain the professional practices and responsibilities of a hospital pharmacist	V	4
18	Explain the role of a hospital pharmacist in inventory management	V	5

QP Code:3103



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SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA (Co-Ed.)(Autonomous)
Pharm.D(PB) (3 YDC) I Year (Main) Examination, AUGUST-2026

Course: Clinical Pharmacy

Time: 3 Hours Max.

Marks: 70

Question No.	Question	CO	BL
PART-A	Answer the following questions.	10 × 2 = 20	
1	Define clinical pharmacy and clinical pharmacist?	I	1
2	What are the quality assessment methods to evaluate compliance with standard care?	II	3
3	What are the goals of a clinical pharmacist's participation in ward rounds?	II	3
4	Differentiate between drug information and poison information.	II	4
5	What are medical abbreviations? Give two examples and Expand the abbreviations OD and HS?	III	1
6	Define the drug information resources	IV	1
7	Write a brief note on verbal reports.	IV	2
8	Define pharmacovigilance?	V	1
9	Classify ADRs?	V	2
10	Mention any four causes of medication errors?	V	2

Question No.	Question	CO	BL
PART-B	Answer any 5 questions.	5 × 10 = 50	
11	Explain the evolution of clinical pharmacy in global system.	I	2
12	Define and explain in detail the steps involved in medication order review.	II	1
13	Explain the stages of patient counselling and how to overcome the barriers in effective patient counselling?	II	2
14	Explain in detailed about patient data analysis and its structure.	III	2
15	Describe the objectives, requirements for the establishment of a drug information centre and its functions.	IV	2
16	Discuss the importance of critical evaluation of biomedical literature in pharmacy practice?	V	5
17	Explain the concept, principles, and goals of pharmaceutical care?	V	2
18	Explain patient counselling techniques in pharmacy practice?	V	3



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**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA (Co-Ed.)(Autonomous)
Pharm.D(PB) (3 YDC) I Year (Main) Examination, AUGUST-2026**

Course:Biostatistics & Research Methodology

Time: 3 Hours Max.

Marks: 70

Question No.	Question	CO	BL
PART-A	Answer the following questions.	10 × 2 = 20	
1	What is a layout of research report in research methodology?	I	1
2	Define variable and its types	II	2
3	What is semi logarithmic plot	II	6
4	What is Type I and Type II errors in hypothesis testing.	III	1
5	Explain statistical software of SPSS.	III	2
6	What do you understand by r values of Correlation?	III	4
7	What is Point estimate and Interval estimate	III	2
8	Define Confounding in epidemiology with one example.	IV	1
9	Differentiate between Incidence and Prevalence.	IV	4
10	What is computerized prescription dispensing?	V	1

Question No.	Question	CO	BL												
PART-B	Answer any 5 questions.	5 × 10 = 50													
11	Explain a detailed account on sample size determination.	I	2												
12	How will you design a clinical study methodologically?	I	6												
13	Calculate the Median from the following data:	II	5												
	<table><tr><td>Number of Branches</td><td>0-3</td><td>3-6</td><td>6-9</td><td>9-12</td><td>12-15</td></tr><tr><td>Number of Plants</td><td>4</td><td>8</td><td>22</td><td>10</td><td>4</td></tr></table>			Number of Branches	0-3	3-6	6-9	9-12	12-15	Number of Plants	4	8	22	10	4
	Number of Branches			0-3	3-6	6-9	9-12	12-15							
Number of Plants	4	8	22	10	4										
14	Explain ANOVA with suitable example	II	4												
15	Explain the following: Null hypothesis, level of significance, power of test, types of errors	III	1												
16	Write Short Notes on 1. Mann whitney U test 2. Chi Square test	III	4												
17	What is hypothesis? What are different types of hypothesis? Explain how you formulate the hypothesis with a suitable illustration.	III	6												
18	Discuss the role of computers in Community pharmacy.	V	2												

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SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA (Co-Ed.)(Autonomous)
Pharm.D(PB) (3 YDC) I Year (Main) Examination, AUGUST-2026

Course:Biopharmaceutics & Pharmacokinetics

Time: 3 Hours Max.

Marks: 70

Question No.	Question	CO	BL
PART-A	Answer the following questions.	10 × 2 = 20	
1	Define Pharmacokinetics and Biopharmaceutics	<i>I</i>	<i>1</i>
2	Differentiate between Transcellular and Paracellular transport	<i>I</i>	<i>2</i>
3	Explain the applications of Pharmacokinetics	<i>II</i>	<i>3</i>
4	Define half life of a drug	<i>II</i>	<i>1</i>
5	A drug has a half-life of 8 hours. Estimate the approximate time required to achieve steady-state concentration during repeated dosing	<i>III</i>	<i>4</i>
6	State the equation representing plasma drug concentration after IV bolus administration in a two-compartment model.	<i>III</i>	<i>3</i>
7	Write a brief note on physiological based PK models	<i>IV</i>	<i>2</i>
8	What is Michaelis-Menten Equation and Explanation of its parameters?	<i>IV</i>	<i>2</i>
9	What is mean by "washout period"?	<i>V</i>	<i>2</i>
10	List out the Pharmacokinetic and Pharmacodynamic methods to assess bioavailability.	<i>V</i>	<i>2</i>

Question No.	Question	CO	BL
PART-B	Answer any 5 questions.	5 × 10 = 50	
11	Explain the theories of Drug dissolution.	<i>I</i>	<i>4</i>
12	Explain the mechanism of Phase I metabolic reactions with suitable examples.	<i>I</i>	<i>2</i>
13	Derive the concentration-time equations for Intravenous Infusion in a one-compartment open model and derive the parameters used to achieve steady-state drug concentration more rapidly.	<i>II</i>	<i>4</i>
14	Explain different compartment models along with different diagrams and mention their significance	<i>II</i>	<i>2</i>
15	Describe the pharmacokinetic equations used in repetitive IV injections in a one-compartment open model and explain their clinical significance in dosage regimen design.	<i>III</i>	<i>3</i>
16	Explain in detail of Model-independent (noncompartmental) pharmacokinetic analysis.	<i>IV</i>	<i>4</i>
17	How can you determine bioavailability using pharmacokinetic methods with its significance	<i>V</i>	<i>3</i>
18	Describe the components of bioavailability study protocol	<i>V</i>	<i>3</i>

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SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA (Co-Ed.)(Autonomous)
Pharm.D(PB) (3 YDC) I Year (Main) Examination, AUGUST-2026

Course: Clinical Toxicology

Time: 3 Hours Max.

Marks: 70

Question No.	Question	CO	BL
PART-A	Answer the following questions.	10 × 2 = 20	
1	What is an antidote? Give two examples.	<i>I</i>	<i>1</i>
2	Define Supportive Care ?	<i>I</i>	<i>1</i>
3	Mention four symptoms of organophosphate poisoning?	<i>II</i>	<i>1</i>
4	Define toxicokinetics?	<i>II</i>	<i>1</i>
5	Define chronic poisoning?	<i>III</i>	<i>1</i>
6	Define heavy metal poisoning.	<i>III</i>	<i>1</i>
7	Mention the clinical manifestations of snake bite envenomation.	<i>IV</i>	<i>2</i>
8	Define food poisoning.	<i>IV</i>	<i>1</i>
9	Define substance abuse	<i>V</i>	<i>1</i>
10	what are the symptoms of Hallocinogens	<i>V</i>	<i>1</i>

Question No.	Question	CO	BL
PART-B	Answer any 5 questions.	5 × 10 = 50	
11	Discuss the role of antidotes in poisoning management?	<i>I</i>	<i>2</i>
12	Explain the management of organophosphate poisoning?	<i>I</i>	<i>3</i>
13	Explain alcohol poisoning under the following headings: a) Types b) Clinical features c) Diagnosis d) Management	<i>II</i>	<i>3</i>
14	Describe Paracetamol poisoning and its treatment.	<i>II</i>	<i>3</i>
15	Discuss in detail chronic iron poisoning and management.	<i>III</i>	<i>4</i>
16	Discuss in detail chronic lead poisoning and management.	<i>III</i>	<i>4</i>
17	Discuss food poisoning with emphasis on causes, clinical manifestations, diagnosis, treatment and preventive measures.	<i>IV</i>	<i>4</i>
18	Discuss the clinical features, diagnosis, and management of opioid abuse.	<i>V</i>	<i>4</i>

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SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA (Co-Ed.)(Autonomous)
Pharm.D(PB) (3 YDC) I Year (Main) Examination, AUGUST-2026

Course:Pharmacotherapeutics I & Pharmacotherapeutics II

Time: 3 Hours Max.

Marks: 70

Question No.	Question	CO	BL
PART-A	Answer the following questions.	10 × 2 = 20	
1	Define Hyperlipidaemia?	I	2
2	Define Chronic Obstructive Pulmonary Disease (COPD)	II	1
3	Define teratogenicity? Give any 2 examples of teratogens.	III	2
4	Differentiate bacterial and viral conjunctivitis.	IV	2
5	Define Rational Drug use.	V	1
6	What are STD's? List out any two common sexually transmitted diseases .	VI	1
7	Differentiate the clinical manifestations of Rheumatoid arthritis and osteoarthritis.	VII	4
8	Define Dialysis?	VIII	1
9	Differentiate benign and malignant tumors.	IX	4
10	Define psoriasis.	X	1

Question No.	Question	CO	BL
PART-B	Answer any 5 questions.	5 × 10 = 50	
11	Define hypertension. Discuss the clinical manifestations ,etiopathogenesis, and the treatment of Hypertension?,	I	3
12	Discuss pharmacotherapeutic management of Type 2 Diabetes Mellitus.	II	4
13	Write in detail on prescribing guidelines in pregnancy and Lactation.	III	1
14	Explain the role of pharmacist in improving Rational Drug Use.	V	2
15	Define & Classify Tuberculosis. Describe in detail itsPharmacological managment?	VI	1
16	Discuss the following: 1. Explain in detail the clinical presentation of SLE 2. Describe the treatment for Gout.	VII	2
17	Explain the pathophysiology and clinical features of Acute Kidney Injury (AKI).	VIII	2
18	Write in detail the Clssification of of anticancer drugs.?	IX	4
