SUBJECT: HOSPITAL AND CLINICAL PHARMACY

COURSE: FINAL D.PHARM

UNIT 5 : CLINICAL LABORATORY TESTS USED IN THE EVALUATION OF DISEASE STATES

TABLE 1: VERY SHORT ANSWER QUESTIONS (1–2 MARKS)

Q. No	Question	Mapping (TNMGRMU / GPAT / NIPER / Industry – Year)	Bloom's Level
1	Define Pharmacovigilance.	TNMGRMU (2019), GPAT (2022)	Remember
2	What is a reference range in clinical laboratory tests?	TNMGRMU (2021)	Remember
3	Name any two liver function tests.	TNMGRMU (2020), GPAT (2021)	Remember
4	What does TSH indicate?	GPAT (2023)	Understand
5	Define medication error.	TNMGRMU (2018), Industry (2020)	Remember
6	What are LASA drugs?	ISMP, Industry Exams (2022)	Remember
7	Mention one test used to assess renal function.	TNMGRMU (2019)	Remember
8	What is Tall Man lettering?	GPAT (2022)	Understand
9	Define drug interaction.	TNMGRMU (2020)	Remember
10	What is antidote?	TNMGRMU (2017)	Remember

TABLE 2: SHORT ANSWER QUESTIONS (3–5 MARKS)

Q. No	Question	Mapping (TNMGRMU / GPAT / NIPER / Industry – Year)	Bloom's Level
1	Explain the significance of haemoglobin estimation.	TNMGRMU (2022)	Understand
2	Describe liver function tests and their interpretation.	TNMGRMU (2021), GPAT (2023)	Understand
3	Write a short note on renal function tests.	TNMGRMU (2020)	Understand
4	Explain fluid and electrolyte imbalance with examples.	GPAT (2022)	Apply
5	Discuss tests used in cardiac disorders.	TNMGRMU (2019), NIPER (2021)	Understand
6	Write a note on pulmonary function tests.	TNMGRMU (2021)	Understand
7	Explain types of poisoning with examples.	TNMGRMU (2020)	Understand
8	Write the services of Drug and Poison Information Centre (DPIC).	TNMGRMU (2022)	Understand
9	Explain the consequences of medication errors.	Industry (2021), GPAT (2022)	Analyze

| 10 | Classify drug interactions with examples. TNMGRMU (2019), GPAT (2023) | | Understand |

TABLE 3: LONG ANSWER QUESTIONS (8–10 MARKS)

Q. No	Question	Mapping (TNMGRMU / GPAT / NIPER / Industry – Year)	Bloom's Level
1	Explain in detail the clinical laboratory tests used in evaluation of liver and renal diseases with interpretation.	TNMGRMU (2022), GPAT (2023)	Analyze
2	Discuss thyroid function tests and their clinical significance.	TNMGRMU (2021)	Analyze
3	Describe tests associated with cardiac disorders and their importance in patient management.	TNMGRMU (2020), NIPER (2022)	Analyze
4	Explain types of poisoning, clinical manifestations, and management with antidotes.	TNMGRMU (2022), Industry (2021)	Apply
5	Describe Drug and Poison Information Centre: definition, requirements, information resources with advantages and disadvantages.	TNMGRMU (2023)	Evaluate
6	Explain Pharmacovigilance – definition, aim, scope, and overview.	GPAT (2023), TNMGRMU (2022)	Evaluate
7	Discuss medication errors, LASA drugs, and strategies to minimize errors.	GPAT (2022), Industry (2023)	Evaluate
8	Explain drug interactions, their types, and clinical significance with examples.	TNMGRMU (2021), GPAT (2023)	Analyze

TABLE 4: CASE-BASED QUESTIONS (CLINICAL ORIENTED)

Case No	Case Scenario Question	Mapping (TNMGRMU / GPAT / NIPER / Industry – Year)	Bloom's Level
1	A patient has elevated SGPT, SGOT, and bilirubin levels. Interpret the results and suggest possible disease condition.	TNMGRMU (2023), GPAT (2022)	Analyze
2	A patient on digoxin develops arrhythmia after starting erythromycin. Identify the drug interaction and its significance.	GPAT (2023), Industry (2022)	Analyze
3	A medication error occurred due to look-alike drug names. Identify the error type and preventive strategy.	ISMP, Industry (2023)	Evaluate
4	A patient with organophosphate poisoning is admitted. Identify symptoms and antidote used.	TNMGRMU (2021)	Apply
5	A hospital plans to start a Drug Information Centre. List requirements, resources, and benefits.	TNMGRMU (2022), NIPER (2021)	Evaluate