

M.Sc Sem-3 Examination

504

Toxicology (EA-FT)

November-2024

Time : 2-30 Hours]

[Max. Marks : 70

Q1A	Give classification of poison based on mode of action. Explain each in detail.	7 Marks
Q1B	What is route of administration? Give classification and explain in detail.	7 Marks
OR		
Q1A	Classify poisons based on medicolegal Aspect. Explain giving examples.	7 Marks
Q1B	List out and explain all factors influencing action of poisons.	7 Marks
Q2A	What are antidotes? Give classification and explain in detail.	7 Marks
Q2B	Write a note on preservation of viscera in fatal and survival cases.	7 Marks
OR		
Q2A	Give a note on analytical technique for isolation, identification and examination of poisons.	7 Marks
Q2B	Explain internal and external findings in detail for a case of dead subjects.	7 Marks
Q3A	Discuss the toxicological effects, symptoms, and treatment of arsenic poisoning. What is the medico-legal aspects associated with arsenic poisoning?	7 Marks
Q3B	Provide an overview of the toxicology of Cannabis and its forensic significance. How is Cannabis poisoning identified in forensic investigations?	7 Marks
OR		
Q3A	Describe the sources, signs, symptoms, and treatment of lead poisoning. What are the factors that influence the toxicity of lead in the human body?	7 Marks
Q3B	Compare and contrast the toxicological effects of <i>Datura</i> and <i>Oleander</i> poisoning. How are these plant poisons detected in forensic investigations?	7 Marks
Q4A	Write a detailed note on Alcohol Poisoning.	7 Marks
Q4B	Write a note about PLA2 with emphasises on neurogenic and non-neurogenic PLA2.	7 Marks
OR		
Q4A	Write in detail about Tetrodotoxin Poisoning.	7 Marks
Q4B	What is antivenom & how it is produced?	7 Marks
Q5	Answer the following questions (Any Seven)	14 Marks
I	Explain Dangerous Drug Act of 1930.	2 Marks
II	Define Poison and drug.	2 Marks
III	What was the objective behind Pharmacy Act 1948?	2 Marks

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IV	Give collection and preservation method of hair and nails sample.	2 Marks
V	Explain collection and preservation of brain.	2 Marks
VI	What are chelating agents? Explain with examples.	2 Marks
VII	Name two common toxic compounds found in <i>Datura</i> and describe their effect on the nervous system.	2 Marks
VII	Briefly describe the symptoms of acute mercury poisoning.	2 Marks
IX	What is the active toxic component of <i>Nux Vomica</i> and how does it affect the body?	2 Marks
X	What is SVMP and what is its effect?	2 Marks
XI	What are symptoms of Paraquat (Herbicide) poisoning?	2 Marks
XII	Explain the importance of proper disposal of biohazardous waste in forensic toxicology.	2 Marks

BEST OF LUCK