

M.Sc.(FS) Semester - 3 (CBCS) Examination
Oct/Nov-2021 (NEW COURSE)
Forensic Toxicology (Core)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que.1(A) Answer the following question. (4)
Define Toxicology and write a note on application of toxicology
- Que.1(B) Answer any two questions out of three. (10)
1. What are the various branches of toxicology
 2. Write a note on Mechanistic and Regulatory Toxicology
 3. Give a note on history of toxicology
- Que.2(A) Answer the following question. (4)
What are the various types of pesticides? Discuss its toxic effects.
- Que.2(B) Answer any two questions out of three. (10)
1. Write a note on any one plant poison and its toxic effects
 2. What are the different metallic poisons, discuss any one
 3. What are volatile organic solvents and their effects on body
- Que.3(A) Answer the following question. (4)
Write a note on bioaccumulation of xenobiotics
- Que.3(B) Answer any two questions out of three. (10)
1. What are the various factors affecting dose response curve
 2. Discuss on effective dose, lethal dose and LD50
 3. What are antidotes, discuss mechanism of working of anyone
- Que.4(A) Answer the following question. (4)
What is the role of forensic toxicologist, Discuss
- Que.4(B) Answer any two questions out of three. (10)
1. Write a note on collection of visceral samples
 2. What are the different precautions to be taken for storage of visceral samples
 3. Write a note on preservatives used in visceral samples in different poisoning cases
- Que.5(A) Answer the following question. (4)
Describe the extraction of acidic and basic drug from visceral samples
- Que.5(B) Answer any two questions out of three. (10)
1. Describe dry ashing and wet digestion method
 2. What do you understand by validation of method
 3. Define Quality Control and Quality Assurance
