

PARUL UNIVERSITY
FACULTY OF APPLIED SCIENCE
M.Sc., winter 2019-20 Examination

Semester: 3**Subject Code: 11207201****Subject Name: Forensic Toxicology & Pharmacology****Date: 26/11/2019****Time: 02:00pm to 04:30pm****Total Marks: 60****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

- Q.1. A) Essay type/ Brief note (4x2) (Each of 04 marks) (08)**
- (a) Describe the classification of poisons according to their mode of action.
 - (b) Explain the difference between pharmacokinetics and pharmacodynamics.
- Q.1. B) Answer the following questions (Any two)**
- (a) Short note/ Brief note (2x2)/ Schematically label the figures (2x2) (Each of 02 marks) (04)
 1. Write the note on medico legal aspects of suicidal death due to poison.
 2. Write the note on mechanical poison.
 - (b) Short note on narcotic drugs and psychotropic substances Act. (04)
 - (c) Short note on metallic poisons. (04)
- Q.2. A) Answer the following questions.**
- (a) Fill in the blanks. (Each of 02 marks) (04)
 1. Scientific name of opium is.....
 2. Active principal of marking nut
 - (b) Short note on routes of elimination pathways of drug metabolism. (04)
- Q.2. B) Answer the following questions (Any two)**
- (a) Short note/ Multiple choice questions. (Each of 01 marks) (03)
 1. What is a dope test?
 2. What is designer drug?
 3. Define forensic toxicology?
 - (b) Short note on routes of administration of poisons (03)
 - (c) Short note on post-mortem changes affecting the analysis of narcotics substances. (03)
- Q.3. A) Essay type/ Brief note (4x2) (Each of 04 marks) (08)**
- (a) Discusses the characteristics of poisoning cases due to snake venom.
 - (b) Explain the collection and preservation of drug evidence.
- Q.3. B) Answer the following questions (Any two)**
- (a) Short note/ Brief note (2x2)/ Schematically label the figures (2x2) (Each of 02 marks) (04)
 1. What is the fatal dose and fatal period of Dhatura poisoning?
 2. Write a note on microcrystalline testing of drugs of abuse.
 - (b) Short note on drug metabolism and their toxicity. (04)
 - (c) Give a brief account of poisoning by powdered glass. (04)
- Q.4. A) Answer the following questions.**
- (a) Short note/ Brief note (2x2)/ Fill in the blanks. (Each of 02 marks) (04)
 1. The punishment of acid attack under section IPC
 2. Sections IPC deal with offenses relating to administration of poisons.
 - (b) Give a brief note on poisoning from Abrus Precatorius. (04)
- Q.4. B) Answer the following questions (Any two)**
- (a) Short note/ Multiple choice questions. (Each of 01 marks) (03)
 1. What is kuchila?
 2. What are Asphyxiants?
 3. What is cardiac poison? Give one example.
 - (b) Short note on medico legal aspect of metallic and nonmetallic poison. (03)
 - (c) Short note on depressants and hallucinogens. (03)