

M.Sc Sem.-2 Examination

P - 410

Forensic Science

June 2022

[Max. Marks : 50]

Time : 2-00 Hours]

Que. 1 Answer any six from the following questions in detail: (7 marks each) [42 marks]

1. What are stimulant drugs? How are they abused? Explain giving any two examples.
2. Give the classification of drugs.
3. What are psychedelic drugs? How they affect our body? Which are the most commonly abused hallucinogenic drugs? Explain.
4. What are narcotic drugs? Explain opium and their alkaloids in detail.
5. Explain detection method for Amphetamines and Cannabis.
6. Explain about forensic examination of Ethyl alcohol.
7. Give chemical tests for detection of copper and iron from gold polishing powder.
8. Write the chemical tests for:
Borate 2. Chlorate 3. Cyanide 4. Sulphide
9. Describe classification of pesticides.
10. Discuss the classification of nanomaterials based on their dimensions.
11. Write a note on ball-milling as a method for synthesis of nanomaterials.
12. Explain briefly any two liquid phase methods used for the synthesis of nanomaterials.

Que. 2 Answer any eight from the following questions: (1 mark each) [8 marks]

1. Who first used the term nanotechnology and when?
2. Graphene sheets can be classified under dimensional nanomaterials.
3. What are anabolic steroids? Name any three.
4. What is xerogel?
5. Give any two factors affecting the precipitation method?
6. Give two examples of non-metallic poisons with its sources.
7. Mention chemical tests for Nitrates and Nitrites.
8. Define: Adulteration
9. What is Aqua-regia? Explain with ratio.
10. Depressants blocks _____ nerve cells which is use to communicate brain with spinal cord.
11. Explain designer drugs with examples.
12. Which neurotransmitters are affected by stimulant drugs?
13. Give full names for MDMA and GHB.
14. What is psychosis?

.....X.....

.....X.....