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**25-FS-23**

**M.Sc. II SEMESTER [MAIN/ATKT] EXAMINATION  
MAY - JUNE 2025**

**FORENSIC SCIENCE**

Paper - III

**[Forensic Chemistry and Explosives]**

*[Max. Marks : 75]*

*[Time : 3:00 Hrs.]*

*[Min. Marks : 26]*

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**Note :** Candidate should write his/her Roll Number at the prescribed space on the question paper.  
Student should not write anything on question paper.  
Attempt all five questions. Each question carries an internal choice.  
Each question carries **15 marks**.

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**Q. 1** Discuss the following in detail -

- i) Alcoholic and Non Alcoholic beverages and their composition.
- ii) Distinguish between Licit and Illicit Liquors.
- iii) Consequences of Drunken Driving.

**OR**

What do you understand by Forensic Chemistry ? Explain Micro crystal tests and Elemental Analysis.

**Q. 2** Explain the following in detail -

- i) Drugs and Cosmetic Act, 1940.
- ii) Excise Act.

**OR**

Discuss Depressant, stimulants and Hallucinogens with example and explain their sign and symptoms.

**Q. 3** What do you understand by Petroleum Products ? Explain standard method of analysis of petroleum product for adulteration.

**OR**

Describe in detail -

- i) Composition and Forensic Analysis of Cement.
- ii) Metallurgical Analysis.

P.T.O.

**Q. 4** Write short notes on -

- i) Investigation in Fatal Cases of Arson.
- ii) BNS sections related to Fire and Arson.

**OR**

Write short notes on -

- i) Cause and origin of fire.
- ii) Igniters of fire.
- iii) Phases of fire.

**Q. 5** Discuss the following in detail -

- i) Pyrotechnics and IEDs
- ii) Types of Hazards.

**OR**

What do you understand by Explosives ? Explain Explosion process and its effects in detail.

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