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[This question paper contains 3 printed pages]

Your Roll No. :

Sl. No. of Q. Paper : **3883** **I**

Unique Paper Code : **2176000008**

Name of the Paper : **SEC : Forensic Chemistry**

Name of the Course : **All undergraduate Courses**

Semester : **I/III/V**

Time : 1 Hour

Maximum Marks : 30

Instructions for Candidates :

(a) Write your Roll No. on the top immediately on receipt of this question paper.

(b) Attempt any **Two** questions.

1. (a) List the types of evidence that fall under the scope of forensic chemistry laboratories for analysis. 5

(b) How is the analysis of ink carried out by TLC ? 5

(c) Fill in the blanks (**any five**) : 5

(i) Some shapes observed for edgeoscopy are edge and edge.

P.T.O.

- (ii) is the fundamental principle of Forensic Science.
- (iii)and metals are used for vacuum metal deposition technique.
- (iv) is an adulterant present in petrol.
- (v) Debris from explosion site is collected in containers for analysis.
- (vi) is used for the deflagration of an explosive.

2. (a) Describe any one type of explosive train involving high explosives. 5
- (b) List the ethics followed by a forensic scientist. 5
- (c) Give the classification of drugs of abuse with examples. 5

3. (a) What are the precautions taken while collecting evidence from arson crime scene? 5
- (b) How is country made liquor different from Indian made foreign liquor? Give examples of each. 5
- (c) What is the basis of placing convict's fingerprints in a particular file and a particular cabinet? Explain. 5

4. Write short notes on **any three** : 5,5,5

- (a) Silver nitrate method for development of latent fingerprints.
- (b) Organizational structure of Forensic Science laboratories
- (c) Collection and analysis of evidence in trap cases
- (d) Seat of fire and its importance in investigation.
