

[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.
