

B.Sc. Semester - 4 (CBCS) Examination
July-2025 [OLD COURSE]
FORENSIC SCIENCE(CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

-
- Que.1(A) Answer the following question very shortly. (04)**
- 1) Describe source of AAS?
 - 2) MCT stands for _____.
 - 3) Name types of TG.
 - 4) Write the principle of NMR.
- Que.1(B) Answer the following question in brief. (Any one) (03)**
- 1) Explain thermogravimetric analysis.
 - 2) Mention the types of Atomizers & explain anyone.
- Que.1(C) Answer the following question in detail. (Any one) (07)**
- 1) Describe AAS in details.
 - 2) Explain NMR in detail
- Que.2(A) Answer the following question very shortly. (04)**
- 1) Define antibody?
 - 2) Mention the types of antibodies.
 - 3) Define Innate immunity.
 - 4) What is RIA?
- Que.2(B) Answer the following question in brief. (Any one) (03)**
- 1) Write note on production of antibody.
 - 2) Draw the diagram of general structure of antibody.
- Que.2(C) Answer the following question in detail. (Any one) (07)**
- 1) Describe ELISA technique.
 - 2) Explain RIA technique.
- Que.3(A) Answer the following question very shortly. (04)**
- 1) What is arson?
 - 2) What is chemical formula of phenolphthalein?
 - 3) What is flash point of petrol?
 - 4) What is PIANO?
- Que.3(B) Answer the following question in brief. (Any one) (03)**
- 1) Explain types of fire based on source of ignition.
 - 2) Write the chemistry of phenolphthalein.
- Que.3(C) Answer the following question in detail. (Any one) (07)**
- 1) Explain briefly cases related to arson.
 - 2) Explain examination of petrol in details.
- Que.4(A) Answer the following question very shortly. (04)**
- 1) What is numismatic?
 - 2) Paper of currency note made at _____.
 - 3) What is alteration?
 - 4) What is counterfeit coin?
- Que.4(B) Answer the following question in brief. (Any one) (03)**
- 1) Write a brief note on paper used for currency notes.
 - 2) Write and explain types of passports based on color.

Que.4(C) Answer the following question in detail. (Any one) (07)

- 1) Explain security features of passport.
- 2) Write a note on analysis of counterfeit coins.

Que.5(A) Answer the following question very shortly. (04)

- 1) What is digital evidence?
- 2) What is full form of UPI?
- 3) Full form of AEPS is _____.
- 4) What is Virus?

Que.5(B) Answer the following question in brief. (Any one) (03)

- 1) Define cyber crime as per IT act 2000 and give example of four cyber-crime.
- 2) Explain advantage of digital payment.

Que.5(C) Answer the following question in detail. (Any one) (07)

- 1) Define cyber crime & enlist at least 10 examples.
- 2) Describe different types of digital payment.
