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(Pages : 2)

Name.....

Reg. No.....

**SECOND SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, APRIL 2025**

(CBCSS)

Forensic Science

FSC 2C 08—FORENSIC PHYSICS AND BALLISTICS

(2020 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

Part AI. Answer any *four* of the following short answer questions :

- 1 Describe any *two* scopes of Forensic Ballistics.
- 2 With diagram show what is a calibre.
- 3 What do you mean by country made fire arms ?
- 4 Explain the theory of recoil.
- 5 Types of Bite Marks.
- 6 Evidence collection from victims and suspects.
- 7 Acoustic parameters of sound.

(4 × 2 = 8 weightage)

Part BII Answer any *four* of the following Short essay type questions :

- 8 Classify rifles based on their action mechanism.
- 9 How obliterated marks are restored ?
- 10 What are the differences between bullet and pellets ?
- 11 What is tattooing and how it is relevant in Forensic ballistics ?
- 12 With illustration, explain smokeless power.

Turn over

- 13 Differentiate natural fibres from man-made fibres. Give examples for each.
- 14 How soil samples are collected ?

(4 × 3 = 12 weightage)

Part C

III Answer any *two* Long Essay Type Questions :

- 15 Explain the procedure of handling, packing and forwarding the ballistic evidence to the expert opinion.
- 16 Explain soil analysis and interpretation of soil evidence.
- 17 Write a note on the process of forensic fibre examination.
- 18 Explain with diagram various classification of fire-arms.

(2 × 5 = 10 weightage)