

C 42772

(Pages : 2)

Name.....

Reg. No.....

**SECOND SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, APRIL 2023**

(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 What is cartridge firing mechanism ?
- 2 Classify ammunition on the basis of constructional features.
- 3 Name types of paint.
- 4 How tire impressions are preserved ?
- 5 What is BDAS ?
- 6 List out types of bite-marks.
- 7 What is barrel fouling ?

(4 × 2 = 8 weightage)

Part BII. Answer any *four* of the following. Short Essay Type Questions :

- 8 How soil samples are collected ?
- 9 What is the significance of skid marks in forensics ?
- 10 How voice evidences are interpreted ?
- 11 Explain the principle behind restoration of obliterated marks.
- 12 Describe the mechanism of small arms.

Turn over

13 Explain the composition of soil.

14 What are the differences between stereo and comparison microscopy ?

(4 × 3 = 12 weightage)

Part C

III. Answer any *two* questions. Long Essay Type Questions :

15 How glass fractures are examined in forensics ?

16 Explain operating principle of firearms.

17 Describe the process of forensic examination of real and imitation jewellery.

18 Explain instrumental techniques involved in analysis of GSR.

(2 × 5 = 10 weightage)