

D 140672**(Pages : 2)****Name.....****Reg. No.....****SECOND SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, APRIL 2026****(CBCSS)****Forensic Science****FSC2C08—FORENSIC PHYSICS AND BALLISTICS****(2020 Admission onwards)****Time : Three Hours****Maximum : 30 Weightage****I. Answer any *four* of the following (Short Answer type questions) (Weightage 2) :**

- 1 How are layers of paint determined ?
- 2 Mention the methods of manmade fiber comparison.
- 3 Write the principles of restoration of erased marks.
- 4 How are bite marks on a victim photographed ?
- 5 Give the constituents of gun powder
- 6 Define the term 'Fire Arm'.
- 7 What are 'Singing' and 'Tattooing' with reference to firearm wounds ?

(4 × 2 = 8 weightage)**II. Answer any *four* of the following (Short essay type questions) (Weightage 3) :**

- 8 Describe the information that can be obtained by microscopic examination of soil.
- 9 Give a brief on the types of paints.
- 10 How is serial number restored from a brass vessel ?
- 11 Write a brief on the types of handguns.

Turn over

- 12 Write a brief on forensic voice comparison techniques.
- 13 What is terminal ballistics ?
- 14 Write a brief on bullet comparison to identify a firearm.

(4 × 3 = 12 weightage)

III. Answer any *two* of the following (Long essay type questions) (Weightage 5) :

- 15 Give the procedure of comparing two glass samples for commonality of origin.
- 16 How is an alleged offender identified by the bite marks made on him by a victim ? Cite any suitable case.
- 17 Explain a typical rifle cartridge, using a suitable example and drawing.
- 18 Describe the methods of collection and examination of gunshot residue. Add a brief on its significance.

(2 × 5 = 10 weightage)