

D 143183**(Pages : 2)****Name.....****Reg. No.....****FOURTH SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, APRIL 2026****(CBCSS)****Forensic Science****FSC4E28—FORENSIC PHOTOGRAPHY AND BIOMETRICS****(2020 Admission onwards)****Time : Three Hours****Maximum : 30 Weightage****Section A***Answer any **four** questions.*

1. Define the relation between Exposure time and aperture setting.
2. What are the types of digital cameras ?
3. What is Macrophotography ?
4. Give the meaning of retinal scan.
5. What is gait pattern ?
6. What is thermography ?
7. Give the importance of Laboratory Photography.

(4 × 2 = 8 weightage)**Section B***Answer any **four** questions.*

8. What is lens ? Give the importance of lens speed.
9. What is CMOS ? Give its advantages over CCD.
10. Write a note on Pixel interpolation.
11. Describe the procedure of crime scene videography.

Turn over

12. Describe the application of Facial Recognition.
13. Write a note on the prospective use of biometrics for security purposes.
14. How can photoshop development enhance the quality of an image ? Give its legal validity.

(4 × 3 = 12 weightage)

Section C

*Answer any **two** questions.*

15. Write a note on the various types of cameras.
16. What are the forensic applications of digital image processing and manipulations ?
17. Elaborate the Court room presentation of photographic evidence.
18. Explain geometric morphometrics and automated dental identification.

(2 × 5 = 10 weightage)