**D 121263** **(Pages : 2)** **Name.....**

**Reg. No.....**

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

(CBCSS)

Forensic Science

FSC4E28—FORENSIC PHOTOGRAPHY AND BIOMETRICS

(2020 Admission onwards)

Time : Three Hours Maximum : 30 Weightage

**Section A**

*Answer any* **four** *questions.*

1. What are the wavelengths of blue and yellow colours ?
2. What are band pass filters ?
3. Explain the principle of digital camera.
4. What type of lighting technique is used in Laboratory Photography ?
5. What is 'Natural Perspective' ?
6. How does hand geometry provide for biometric identification ?
7. What constitutes multibiometric systems ?

(4 × 2 = 8 weightage)

**Section B**

*Answer any* **four** *questions.*

8. Why are wide angle lenses are unsuitable for forensic photography ?
9. Give the linkage of cameras and film negatives.
10. What are the differences between normal and high-speed videography ?
11. Write a note on the use of IR light in forensics.

**Turn over**

12. Mention the features of ideal biometric system.

13. Explain the process of microphotography.

14. What are the information derived from gait analysis ?

(4 × 3 = 12 weightage)

## Section C

*Answer any* **two** *questions.*

15. Describe the effect of the size of silver halide crystal have on an image.

16. Elucidate on the types of forensic image analysis.

17. Differentiate iris scan from retinal scan.

18. Describe the recent advances of biometrics in the field of security management and crime prevention.

(2 × 5 = 10 weightage)