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(Pages : 2)

Name.....

Reg. No.....

**THIRD SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, NOVEMBER 2023**

(CBCSS)

Forensic Science

FSC 3E 16—FORENSIC DERMATOGLYPHICS

(2020 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

I. Answer any *four* of the following. Short Answer Type Questions. Weightage 2 :

- 1 What are Fingerprints ?
- 2 Give a brief on edgeoscopy.
- 3 Give the types of foot impressions.
- 4 What are Original Equipment tires ?
- 5 Write a note on the importance of tire print examination.
- 6 Give the location of lip prints in a crime scene.
- 7 What are the important factors to be documented in recording bite mark on humans ?

(4 × 2 = 8 weightage)

II. Answer any *four* of the following. Short Essay Type Questions. Weightage 3 :

- 8 Mention the ridge characteristics in fingerprints.
- 9 How are fingerprints developed from a glass tumbler ?
- 10 How are surface footprints collected as evidence ?
- 11 Give the Plaster of Paris method of lifting a sunken footprint.
- 12 Give the method of detecting a retread tire.
- 13 How are tire track impressions collected ?
- 14 Write a note on the morphology of the human ear.

(4 × 3 = 12 weightage)

Turn over

III. Answer any *two* of the following. Long Essay Type Questions. Weightage 5 :

- 15 Describe the patterns of fingerprints.
- 16 Elucidate on gait pattern and its use in criminal identification.
- 17 Describe the method of construction of tires. Give the importance of tread nomenclature.
- 18 Explicate the Suzuki classification of lip prints.

(2 × 5 = 10 weightage)