

**D 140674**

(Pages : 2)

Name.....

Reg. No.....

**SECOND SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)  
EXAMINATION, APRIL 2026**

(CBCSS)

Forensic Science

FSC 2C 10—FORENSIC BIOLOGY, SEROLOGY AND DNA PROFILING

(2020 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

**Part A**I. Answer any *four* of the following questions :

- a) Describe Blood and its composition.
- b) Explain c DNA libraries.
- c) Rh system of blood group.
- d) Explain microscopic examination of human hair
- e) Classification of Asphyxia.
- f) What is Defence wound ?
- g) Write applied aspect of DNA finger printings.

(4 × 2 = 8 weightage)

**Part B**II. Answer any *four* of the following Short Answer questions :

- a) Write a short on Immunoglobulins and their types with diagrams.
- b) Draw a neatly labelled Animal Cell.
- c) Explain Golgi bodies with neat labelled diagram.
- d) Describe Forensic Entomology with its medicolegal importance.
- e) Explain the different types of mechanical Injuries.

**Turn over**

- f) Explain forensic significance of semen.
- g) Describe the biochemical tests for the identification of blood.

(4 × 3 = 12 weightage)

**Part C**

III Answer any *two* Long Essay Type Questions :

- a) Explain any two techniques of DNA finger printing.
- b) Draw a neat labeled diagram of the spermatozoa and describe tests for the identification of semen.
- c) Describe the morphological and anatomical characteristics of plants yielding drugs of abuse with two examples.
- d) Write a short note on Sexual Assault Investigation.

(2 × 5 = 10 weightage)