

B.Sc.(FS) Semester - 5 (CBCS) Examination**Oct/Nov - 2025 (NEW COURSE)****Forensic Biology, Serology and Anthropology(Core)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que. 1 (A) Answer the following question very shortly. (04)
- 1) How many parts of the body weight contain by the blood?
 - 2) Another name of RBC is _____.
 - 3) After 24 hours the stain of blood convert in which color?
 - 4) What is the contain of vomit?
- Que. 1 (B) Answer any one in brief. (03)
- 1) Write the test for urine.
 - 2) Write a note on composition of blood?
- Que. 1 (C) Answer any one in detail. (07)
- 1) Write the test for blood grouping method from blood stain.
 - 2) Write a note on Urine and its examination.
- Que. 2 (A) Answer the following question very shortly. (04)
- 1) Who is the father of DNA fingerprint in India?
 - 2) Satellite DNA is which type of DNA?
 - 3) On average, about _____ % DNA between two human is the same.
 - 4) What is DNA fingerprinting?
- Que. 2 (B) Answer any one in brief. (03)
- 1) Role of DNA fingerprinting in forensic science.
 - 2) Describe DNA isolation technique.
- Que. 2 (C) Answer any one in detail. (07)
- 1) PCR technique and its role in forensic science.
 - 2) Write a note on DNA profiling & human genome project
- Que. 3 (A) Answer the following question very shortly. (04)
- 1) PAG stands for _____.
 - 2) _____ brings down the activation energy levels which results in increased rate of reaction.
 - 3) IUB stands for _____.
 - 4) Name the scientist who isolated urease enzyme?
- Que. 3 (B) Answer any one in brief. (03)
- 1) Explain enzyme assay technique.
 - 2) Write a note on nomenclature of enzyme.
- Que. 3 (C) Answer any one in detail. (07)
- 1) Describe the method of protein purification.
 - 2) Explain enzyme classification.
- Que. 4 (A) Answer the following question very shortly. (04)
- 1) What is forensic botany?
 - 2) Wild life protection act came in year _____.
 - 3) Write the application of forensic entomology.
 - 4) What is palynology

- Que. 4 (B) Answer any one in brief. (03)
- 1) Describe wild life protection act.
 - 2) Describe morphological and anatomical character of cannabis plant.
- Que. 4 (C) Answer any one in detail. (07)
- 1) Describe life cycle of blow fly with diagram.
 - 2) Examination of physical evidence related to wild life animals.
- Que. 5 (A) Answer the following question very shortly. (04)
- 1) What is odontoblast?
 - 2) How many bones on adults?
 - 3) Which bone is used for age & gender identification?
 - 4) What is the dental formula for temporary teeth?
- Que. 5 (B) Answer any one in brief. (03)
- 1) Write the general characteristics of male and female skeleton.
 - 2) What is forensic anthropology? Describe its application.
- Que. 5 (C) Answer any one in detail. (07)
- 1) Write a note on teeth and its structure.
 - 2) Explain Karl person formula, pan formula for measurement of stature.
