

B.Sc.(FS) Semester - 5 (CBCS) Examination**Oct/Nov - 2024 (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. Define Melanuria.
 2. What kind of body fluid can help to solve a crime if a person killed by a Poison?
 3. Give the composition of Saliva?
 4. What is the work of WBC?
- Que.1(B) Answer any one in brief. (03)
1. Write the test for Vomit.
 2. Write a note on composition of Blood?
- Que.1(C) Answer any one in detail. (07)
1. Write the TMB and Kastle Meyer test in details.
 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. STR stands for _____.
 3. On average, about _____ % DNA between two humans is the same.
 4. The First Mini Satellite discovered in which year?
- 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. Name the scientist who isolated Urease Enzyme?
 2. By whom Enzyme name was suggested?
 3. IUB stands for _____.
 4. _____ brings down the activation energy levels which results in increased Rate of Reaction.
- Que.3(B) Answer any one in brief. (03)
1. Write a note on Covalent Bonding Enzyme Immobilization.
 2. Explain the classification & nomenclature of Enzyme.
- Que.3(C) Answer any one in detail. (07)
1. Explain mode of action of Enzyme.
 2. Write a brief note on Enzyme Immobilization.

- 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. _____ is known as study of Pollan Grains.
- Que.4(B) Answer any one in brief. (03)
1. Write the cause for Depletion of Wildlife.
 2. Describe the lifecycle of Blow-fly.
- Que.4(C) Answer any one in detail. (07)
1. Write a note on medicolegal importance of Forensic Entomology.
 2. Write a brief note on Forensic Botany.
- Que.5(A) Answer the following question very shortly. (04)
1. What is Odontoblast?
 2. Cranium Capacity in male is _____.
 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 Odontology? Describe its application.
- Que.5(C) Answer any one in detail. (07)
1. Write a note on Gustafson's Formula.
 2. Explain Karl person formula, Pan formula, Trotter and Glessner formula for Measurement of Stature.
