

B.Sc. Semester - 5 (Remedial) (CBCS) Examination**March/April-2022(Old 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 in short** (04)
1. Why we use gun's-berg's test.
 2. Give the name of glands which are include for production of semen.
 3. Blood is made in the _____.
 4. If garlic odour is coming from the vomit, it indicates _____.
- Que-1 (B) **Answer any one in brief** (03)
1. Describe the absorption inhibition method.
 2. Write down the examination test of vomit.
- Que-1 (C) **Answer any one in detail** (07)
1. Write a note on confirmatory test of blood.
 2. Explain blood grouping system and its types.
- Que-2 (A) **Answer in short** (04)
1. VNTR stands for_____
 2. Who was came up with a method of identifying individuals from DNA RFLP?
 3. Write down the types of PCR.
 4. What is FTA paper?
- Que-2 (B) **Answer any one in brief** (03)
1. Explain STR.
 2. Define genetics and give introduction of DNA.
- Que-2 (C) **Answer any one in detail** (07)
1. Explain PCR.
 2. Describe STR and VNTR process.
- Que-3 (A) **Answer in short** (04)
1. Define hollow enzyme.
 2. Who was isolated urease enzyme?
 3. The name enzyme was suggested in _____year by _____.
 4. What is prosthetic group?
- Que-3 (B) **Answer any one in brief** (03)
1. Give the uses of enzyme.
 2. What is immobilised enzymes? Explain with method.
- Que-3 (C) **Answer any one in detail** (07)
1. Explain key-lock mechanism (mode of action) of enzyme.
 2. Define enzyme and explain classification group of enzyme.
- Que-4 (A) **Answer in short** (04)
1. Give the name of funding agencies in HGP.
 2. Define forensic microbiology.
 3. Human genome project was completed in _____ year.
 4. Define uncured trophy.

- Que-4 (B) **Answer any one in brief** (03)
1. Give the application of human genome project.
 2. Determine the location of incident with the help of forensic entomology.
- Que-4 (C) **Answer any one in detail** (07)
1. Write a note on value of wild life.
 2. Define pollen grains and give its morphology & examination process.
- Que-5 (A) **Answer in short** (04)
1. Give the Gustafson's formula.
 2. Define forensic anthropology.
 3. Define deciduous teeth.
 4. Approximate time period of eruption of permanent teeth is _____.
- Que-5 (B) **Answer any one in brief** (03)
1. Give the difference between temporary teeth and permanent teeth.
 2. Describe estimation of stature from body parts.
- Que-5 (C) **Answer any one in detail** (07)
1. Write a note of Gustafson's formula for Age estimation.
 2. Draw the structure of tooth and explain its details.
