

B.Sc.(FS) Semester - 5 (CBCS) Examination**Oct/Nov. - 2021(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.

Q.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 _____.

Q.1(B) Answer any one in brief (03)

1. Describe the absorption inhibition method.
2. Write down the examination test of vomit.

Q.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.

Q.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?

Q.2(B) Answer any one in brief (03)

1. Explain STR.
2. Define genetics and give introduction of DNA.

Q.2(C) Answer any one in detail (07)

1. Explain PCR.
2. Describe STR and VNTR process.

Q.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?

- Q.3(B) Answer any one in brief (03)
1. Give the uses of enzyme.
 2. What is immobilised enzymes? Explain with method.
- Q.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.
- Q.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.
- Q.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.
- Q.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.
- Q.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 _____.
- Q.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.
- Q.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.
