



RAN - 2103000205021055

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**B.Sc. (Sem.- V) Examination November - 2023**

**Bioscience (Microbiology) Paper-X**

**BS - 505: Clinical Biochemistry**

**Time: 2 Hours ]**

**[ Total Marks: 50**

**સૂચના : / Instructions**

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the details of signs on your answer book

Name of the Examination:

B.Sc. (Sem.- V)

Name of the Subject :

Bioscience (Microbiology) Paper-X BS - 505:  
Clinical Biochemistry

Subject Code No.: 2103000205021055

Seat No.:

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Student's Signature

- (2) Figures to the right indicate full marks.  
(3) Draw neat & clean diagram wherever necessary.

**Q. 1 Multiple choice questions:**

**08**

- A yellow discoloration of CSF is known as \_\_\_\_\_
  - Xanthophilia
  - Xenobiotics
  - Xanthoprotein
  - None
- A urine sample collected at any time is called \_\_\_\_\_
  - Morning sample
  - Day specimen
  - Random sample
  - Night specimen
- Semen analysis useful to evaluate \_\_\_\_\_
  - Male infertility
  - Female infertility
  - Both male & female infertility
  - None
- GTT is an example of \_\_\_\_\_
  - RFT
  - KFT
  - LFT
  - None

5. \_\_\_\_\_ is detected by Benzidine test.
  - a) Sugar
  - b) Protein
  - c) Ketones
  - d) Blood
6. Which of the following is useful in clinical enzymology?
  - a) SGPT estimation
  - b) SGOT estimation
  - c) Alkaline phosphatase estimation
  - d) All
7. Creatinine estimation is an example of
  - a) PFT
  - b) RFT
  - c) LFT
  - d) All
8. Which of the following an example of RFT?
  - a) Glucose estimation
  - b) SGPT estimation
  - c) Albumin estimation
  - d) Urea estimation

**Q. 2 [A] Answer as directed: 04**

1. Define - Polyuria.
2. State the any two abnormal forms of sperm cell.
3. Enlist the criteria for physical examination of CSF.
4. Give any two example of renal function test.

**[B] Write short note on Any Two. 10**

1. Types of urine sample.
2. Concentration test.
3. Physical examination of CSF.

**Q. 3 Answer any two of the following. 14**

1. Write a detailed account on GTT
2. Describe in brief chemical examination of urine.
3. Write a note on classification of LFT.

**Q. 4 Write an essay on - Routine sputum examination 14**

**OR**

**Q. 4 Answer the following questions. 14**

1. Write a note on CSF and collection of CSF.
2. Describe in brief sperm morphology & sperm count.