



RAN-2103000205021055

B.Sc. (Sem.-V) Examination October - 2025

Bioscience (Microbiology) (OLD) Clinical Biochemistry (BS - 505)

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book
- (2) Figures to the right indicate full marks.
- (3) Draw neat & clean diagram wherever necessary.

Seat No.:

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Student's Signature

Q.1. Multiple choice questions:

8

1. A CSF sample collected by _____
 a. Lab technician b. Nurse
 c. Physician d. None
2. Sputum examination include _____
 a. Microscopic examination b. Macroscopic examination
 c. Chemical examination d. All
3. Aspermia mean _____
 a. Low count of sperm cell
 b. Absence of sperm in semen
 c. Complete lack of semen
 d. None
4. Protein estimation is an example of _____
 a. RFT b. KFT
 c. LFT d. None
5. _____ is detected by Sulphosalicylic acid test.
 a. Bile salt b. Protein
 c. Ketones d. Blood
6. Which of the following is useful cardiac function test?
 a. SGPT estimation
 b. Creatin phosphokinase estimation
 c. Alkaline phosphatase estimation
 d. All
7. Amylase estimation is an example of _____
 a. PFT b. RFT
 c. LFT d. All

8. Which of the following is an example of RFT?
- Creatinine estimation
 - Uric acid estimation
 - Urea estimation
 - All

Q.2. A. Answer as directed: **4**

- Define - Pyeuria.
- State any two abnormal forms of sperm cell.
- Enlist the criteria for physical examination of sputum.
- Give any two example of LFT.

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

- Classification of RFT.
- Clearance test.
- Types of urine specimens.

Q.3. What is billirubin? How it is produced? How estimation of serum billirubin is helpful for diagnosis of different kind of jaundice.

OR

Q.3. Answer the following. **14**

- Write a detailed account on concentration & dilution test
- Describe in brief microscopic examination of semen.

Q.4. Describe in brief CSF and how CSF is collected. Explain in brief physical & microscopic examination **14**

OR

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

- Write a note on microscopic examination of stool sample.
- Describe in brief chemical examination of Urine.
