



RAN-2403000501027003

F.Y.B.Sc. (Sem. I) Examination March - 2026

Medical Laboratory Technology (Major)

MLT MJ 2 102: Human Anatomy and Physiology

Time: 1.30 Hours]

[Total Marks: 38

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book. (2) Q.1 is a compulsory question. (3) Draw diagrams wherever necessary. (4) Figures to the right indicates the marks allotted to the questions.	Seat No.: <table border="1" style="width: 100%;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table> Student's Signature						

Q.1. Answer in one or two sentences each: (Any 8) (08)

1. What are lysosomes? Mention their role as a cell organelle.
2. Which cells form a part of connective tissue?
3. What is the function of seminal vesicles?
4. Name the three sections of brain stem.
5. It is the funnel shape structure which collects urine formed by kidney.
6. Enlist the organs of lower respiratory tract.
7. Give a brief on anatomical structure of pons in terms of grey matter and nerve fibres.
8. Name the two phases of cell cycle.
9. Which molecules are digested in small intestine?

Q.2. Answer the following: (Any Two): (10)

1. Discuss cell cycle in brief.
2. Describe bone as a connective tissue.
3. Write a note on: Simple epithelial tissue.

Q.3. Attempt the following: (Any Two): (10)

1. Explain the basic anatomy of liver.
2. Describe the nephron.
3. Give the description of structure and function of uterus.

Q.4. Answer the following: (Any Two): (10)

1. Describe the basic anatomy of larynx.
2. Explain the structure of cerebrum.
3. Give a detail description of structure of lungs.