2303000501027001
EXAMINATION MARCH 2025
BACHELOR OF SCIENCE (NEP) (FIRST SEMESTER)
MAJOR-2-MEDICAL LABORATORY TECHNOLOGY
PAPER - II THEORY (HUMAN ANATOMY) - LEVEL 2

[Time: As Per Schedule] **[Max. Marks : 38]**

Instructions:
1. Fill up strictly the following details on your answer book
   a. Name of the Examination : **BACHELOR OF SCIENCE (NEP) (FIRST SEMESTER)**
   b. Name of the Subject : **MAJOR-2-MEDICAL LABORATORY TECHNOLOGY PAPER - II THEORY (HUMAN ANATOMY) - LEVEL 2**
   c. Subject Code No : **2303000501027001**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

Student's Signature

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

a. Define. Cell cycle

b. Name the different types of muscle tissue.

c. Role of saliva in digestion.

d. What are Villi?

e. Briefly describe the primary function of the respiratory system.

f. What is the role of the spinal cord in the central nervous system?

g. Give examples of Connective Tissue.

h. Give function of Prostate Gland.

i. Explain the function of Pharynx.

Q.2 Write short notes on the following: (Any 2) **10**

a. Key regulatory proteins involved in the cell cycle

b. Structure and functions of cell

c. Nervous Tissue

Q.3 Write short notes on the following: (Any 2) **10**

a. Basic anatomy and structure of small intestine.

b. Nephron

c. Female Reproductive System.

Q.4 Answer the following in brief: (Any 2) **10**

a. Describe the components of the central nervous system (CNS) and explain their functions. How does the CNS interact with other body systems to maintain homeostasis?

b. Discuss the anatomy and function of the lower respiratory tract.

c. Explain the structure and functions of the major parts of the brain.

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