

**B.Sc. MEDICAL TECHNOLOGY (OPERATION THEATER) (BOT)****SEMESTER -II EXAMINATION, JUNE-2026****(BOT202) HUMAN PHYSIOLOGY -II****[Time allotted: Three Hours]****[Max Marks: 100]****Note:** Read all the instructions carefully

Answer all questions in serial order, Draw suitable diagrams wherever necessary

**Q. 1. Objective type questions: (Attempt All)****(10 x 02 = 20)**

(Very short/ Short answer/ MCQ/ One liners/ Fill in the blanks/ True/False)

- a. Write the normal body temperature. (CO1)
- b. Presence of HCG in urine forms the basis of pregnancy test. (True or False) (CO2)
- c. Intolerance to cold is a feature of \_\_\_\_\_. (CO1)
- d. Impulses are transmitted along the \_\_\_\_\_ in form of action potential. (CO1)
- e. Functions of urinary bladder. (CO2)
- f. Name any test for colour vision. (CO1)
- g. Enlist any two hormones produced from anterior pituitary. (CO1)
- h. List two functions of testosterone. (CO2)
- i. The \_\_\_\_\_ coordinates the motor activities of body. (CO1)
- j. The fovea centralis is the point for \_\_\_\_\_ vision. (CO1)

**Q. 2. Short notes/ Short answer type questions (Attempt any Five)****(05 x 04 = 20)**

- a. Functions of oestrogens and progesterone. (CO2)
- b. Functional anatomy of eye. (CO1)
- c. Parasympathetic nervous system. (CO1)
- d. Milk ejection reflex. (CO2)
- e. Functions of retina. (CO1)
- f. Functions of Cerebrospinal fluid. (CO1)
- g. Various sites to measure body temperature. (CO3)

**Q. 3. Structured questions (Attempt any Three)****(03 x 10 = 30)**

- a. Structure and functions of pituitary gland. (CO1)
- b. Functional anatomy of testis. Write a note on spermatogenesis. (CO2)
- c. Describe the major descending tracts and their functions. (CO1)
- d. Draw a labelled diagrams showing various parts of nephron. Differentiate between cortical and juxtamedullary nephron. (CO2)

**Q. 4. Long Answer/ Essay type questions (Attempt any Two)****(02 x 15 = 30)**

- a. Draw a well labelled diagram of a neuron and explain properties of neuron. (CO1)
- b. Give the hormones produced by thyroid gland. Differentiate between hypo and hyperthyroidism? (CO1)
- c. What are the different parts of the ear? Write a note on functions of each part. (CO1)