

BACHELOR OF PHYSIOTHERAPY (BPT)
SEMESTER -II EXAMINATION, JUNE-2026

(BPT202) 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. Photopic vision (CO1)
- b. Name any two structures responsible for maintenance of balance in human body. (CO2)
- c. In health, reabsorption of glucose in proximal convoluted tubule is nearly 100%. **True or False.** (CO3)
- d. Define Cystometrogram. (CO3)
- e. Name any two rapidly adapting receptor. (CO2)
- f. Upper motor neuron lesion causes exaggerated deep reflexes. **True or False.** (CO2)
- g. Emotions and memory are functions of _____. (CO2)
- h. Name any two changes in blood with ageing. (CO5)
- i. Increased basal body temperature is an indicator of _____ in menstrual cycle. (CO4)
- j. Name the hormone involved in suckling reflex. (CO4)

Q. 2. Short notes/ Short answer type questions (Attempt any Five)

(05 x 04 = 20)

- a. Types of deafness. (CO1)
- b. Differentiate between astigmatism and presbyopia. (CO1)
- c. Juxta-glomerular apparatus. (CO3)
- d. Regulation of renal blood flow. (CO3)
- e. Functions of Sertoli cells. (CO4)
- f. Structure of reflex arc. (CO2)
- g. Electroencephalograph waves (EEG) (CO2)

Q. 3. Structured questions (Attempt any Three)

(03 x 10 = 30)

- a. Enumerate the female reproductive hormones. Describe the mechanisms of action of oral contraceptive pills (OCPs). (2+8) (CO4)
- b. Define pain and enumerate its types. Give the gate control theory of pain with its applied aspects. (3+7) (CO2)
- c. Enumerate the functions of kidney. Give the normal pH of the urine and discuss the tubular secretion of H⁺ by the kidneys. (5+1+4) (CO3)
- d. Give the functions of aqueous humour and pupil. Describe the visual reflexes. (4+6) (CO1)

Q. 4. Long Answer/ Essay type questions (Attempt any Two)

(02 x 15 = 30)

- a. Classify the sensory receptors, discuss the properties of the receptor. (CO2)
- b. Give the normal range of body temperature and describe the role of skin and hypothalamus in maintaining the body temperature. (CO3)
- c. With a schematic diagram describe the ovarian, uterine, and hormonal changes in menstrual cycle. (CO4)