

B.Sc. MEDICAL TECHNOLOGY (RADIOTHERAPY) (BRT)
SEMESTER -II EXAMINATION, JUNE-2026

(BRT201) HUMAN ANATOMY -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)

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| <p>a. Filum terminale is modification of: (PO1, CO3)</p> <p>i. Duramater</p> <p>ii. Arachnoidmater</p> <p>iii. Piamater</p> <p>iv. Spinal Cord</p> <p>b. Name of Fifth Cranial Nerve: (PO1, CO3)</p> <p>i. Olfactory</p> <p>ii. Optic</p> <p>iii. Trigeminal</p> <p>iv. Facial</p> <p>c. Number of Lumbar vertebrae: (PO1, CO2)</p> <p>i. Five</p> <p>ii. Seven</p> <p>iii. Twelve</p> <p>iv. Two</p> <p>d. Common iliac artery are terminal branch of: (PO1, CO2)</p> <p>i. Ascending aorta</p> <p>ii. Descending aorta</p> <p>iii. Abdominal aorta</p> <p>iv. Thoracic aorta</p> <p>e. Inferior vena cava drain into: (PO1, CO2)</p> <p>i. Right atrium</p> <p>ii. Left atrium</p> <p>iii. Right Ventricle</p> <p>iv. Left Ventricle</p> | <p>f. Porta Hepatis lies in: (PO, CO2)</p> <p>i. Gall Bladder</p> <p>ii. Liver</p> <p>iii. Urinary Bladder</p> <p>iv. Stomach</p> <p>g. Taenia coli are features of: (PO1, CO2)</p> <p>i. Stomach</p> <p>ii. Jejunum</p> <p>iii. Oesophagus</p> <p>iv. Large Intestine</p> <p>h. Part of Sternum is: (PO1, CO1)</p> <p>i. Conoid Tubercle</p> <p>ii. Costal cartilage</p> <p>iii. Acromian Process</p> <p>iv. Manubrium</p> <p>i. Promontary is feature of : (PO1, CO1)</p> <p>i. Thoracic vertebrae</p> <p>ii. Sternum</p> <p>iii. Sacrum</p> <p>iv. Hip bone</p> <p>j. Human Heart contains: (PO1, CO2)</p> <p>i. 2 Chambers</p> <p>ii. 3 Chambers</p> <p>iii. 1 Chamber</p> <p>iv. 4 Chambers</p> |
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Q. 2. Short notes/ Short answer type questions (Attempt any Five)**(05 x 04 = 20)**

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|---|------------|
| a. Systemic circulation | (PO1, CO2) |
| b. Enumerate Components of Lymphatic System | (PO1, CO2) |
| c. Stomach bed | (PO1, CO2) |
| d. Right & Left Bronchus | (PO1, CO2) |
| e. Pre & Para aortic Lymph nodes | (PO1, CO2) |
| f. Enumerate parts of Brainstem | (PO1, CO3) |
| g. Thoracic duct | (PO1, CO2) |

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

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|---|---------------------------------------|
| a. Write about Right Coronary Artery: (i) Origin (ii) Course (iii) Branches and area supplied (iv) Applied | (1+2+5+2 = 10 marks) (PO1, CO1, CO2) |
| b. Write about spinal cord: (i) Extent (ii) Meninges and meningeal spaces surrounding the spinal cord (iii) Cauda equina (iv) Applied | (1+5+2+2=10 marks) (PO1, CO2, CO3) |
| c. Write about Uterus: (i) Parts (ii) Blood Supply (iii) Lymphatic drainage (iv) Applied | (2+3+3+2 = 10 marks) (PO1, CO 2, CO3) |
| d. Write about Stomach: (i) Parts (ii) Blood Supply (iii) Stomach bed (iv) Lymphatic Drainage | (1+3+3+3 = 10 marks) (PO1, CO2, CO3) |

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

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| a. (i) Write about Liver – Location, Lobes, supports, ligaments, blood supply. (PO1, CO2) | |
| (ii) Add a note on its visceral relations. (PO1, CO2) | |
| b. (i) Write about Bronchopulmonary Segments. (PO1, CO2) | |
| (ii) Add a note on Mediastinum (PO1, CO2.) | |
| c. (i) Draw a well labelled diagram of Superolateral surface of Cerebral Hemisphere showing important sulci, Gyri and functional areas with their Brodmann numbers. (PO1, CO3) | |
| (ii) Enumerate name of meninges and meningeal spaces. (PO1, CO3) | |