

**B.Sc. MEDICAL TECHNOLOGY (OPERATION THEATER) (BOT)**  
**SEMESTER -II EXAMINATION, JUNE-2026**

**(BOT201) 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. Which artery DOES NOT take part in Circle of Willis? (PO1CO2)</p> <p>i. Anterior cerebral artery</p> <p>ii. Middle cerebral artery</p> <p>iii. Posterior cerebral artery</p> <p>iv. Internal carotid artery</p> | <p>f. Manubrio sternal joint is: (PO1CO2)</p> <p>i. Secondary cartilaginous</p> <p>ii. Hinge</p> <p>iii. Pivot</p> <p>iv. Ellipsoidal</p>                                   |
| <p>b. Sulcus present on lateral surface of the cerebral hemisphere is: (PO1CO2)</p> <p>i. Central sulcus</p> <p>ii. Calcarine sulcus</p> <p>iii. Collateral sulcus</p> <p>iv. Cingulate sulcus</p>                    | <p>g. NOT a muscle of abdominal wall: (PO1CO2)</p> <p>i. External oblique</p> <p>ii. Internal oblique</p> <p>iii. Rectus abdominis</p> <p>iv. External intercostal</p>      |
| <p>c. Organ responsible for balancing is: (PO1CO2)</p> <p>i. Cerebrum</p> <p>ii. Cerebellum</p> <p>iii. Spinal cord</p> <p>iv. Thalamus</p>                                                                           | <p>h. Not a part of stomach: (PO1CO2)</p> <p>i. Cardiac part</p> <p>ii. Fundus part</p> <p>iii. Body</p> <p>iv. Tail</p>                                                    |
| <p>d. Artery present in interpeduncular fossa is: (PO1CO3)</p> <p>i. Subclavian</p> <p>ii. Common carotid</p> <p>iii. Circle of Willis</p> <p>iv. Anterior spinal</p>                                                 | <p>i. Tail of pancreas is related with: (PO1CO2)</p> <p>i. Stomach</p> <p>ii. Spleen</p> <p>iii. Kidney</p> <p>iv. Liver</p>                                                |
| <p>e. Rostrum is present in: (PO1CO2)</p> <p>i. Corpus callosum</p> <p>ii. Internal capsule</p> <p>iii. Pons</p> <p>iv. Medulla</p>                                                                                   | <p>j. NOT a branch of arch of the aorta: (PO1CO2)</p> <p>i. Left common carotid</p> <p>ii. Left Subclavian</p> <p>iii. Right common carotid</p> <p>iv. Brachio cephalic</p> |

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

**(05 x 04 = 20)**

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|----------------------------------------------|----------|
| a. Cerebellum                                | (PO1CO3) |
| b. Brain stem parts and external features    | (PO1CO3) |
| c. Parts of pancreas                         | (PO1CO2) |
| d. Anterior relations of right kidney        | (PO1CO2) |
| e. Coronary sinus                            | (PO1CO2) |
| f. Intercostal space and intercostal muscles | (PO1CO2) |
| g. Vermiform Appendix                        | (PO1CO2) |

**Q. 3. Structured questions (Attempt any Three)**

**(03 x 10 = 30)**

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|------------------------------------------------------------------------------------------------------------------------------------------|----------|
| a. Portacaval anastomosis                                                                                                                | (PO1CO1) |
| b. What are the surface and chambers of heart? Name the valves joining the chambers. Describe the interior of right atrium with diagram. | (PO1CO2) |
| c. Rectus sheath – structure & contents                                                                                                  | (PO1CO2) |
| d. CSF circulation with clinical importance                                                                                              | (PO1CO3) |

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

**(02 x 15 = 30)**

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|--------------------------------------------------------------------------|----------|
| a. Bronchopulmonary segments with clinical importance                    | (PO1CO2) |
| b. Parts and Support of uterus                                           | (PO1CO4) |
| c. Sulci, gyri and functional areas of superolateral surface of cerebrum | (PO1CO3) |