

First BHMS Degree Regular/Supplementary Examinations March 2025
Human Anatomy (Hom Ug- An) – Paper II
(2022 Scheme)

Time: 3 Hours**Total marks:100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

1. Multiple Choice Questions**(10x1=10)**

The Answers to MCQ questions (Q.No. i to Q.No. x) shall be written continuously on the first two writing sheets (ie Page No. 3 & 4) only

- i. Three constituents of hip bone are fused together at
 - a) Acetabulum
 - b) Pubic Symphysis
 - c) Ischial tuberosity
 - d) Sacroiliac surface
- ii. Which nerve is responsible for the sensation of the medial side of the thigh
 - a) Sciatic nerve
 - b) Femoral nerve
 - c) Obturator nerve
 - d) Tibial nerve
- iii. Which of the following connective tissue is characterised by a liquid matrix
 - a) Cartilage
 - b) Blood
 - c) Bone
 - d) Dense connective tissue
- iv. Which type of epithelial tissue is specialised for absorption and secretion
 - a) Simple squamous epithelium
 - b) Stratified squamous epithelium
 - c) Simple columnar epithelium
 - d) Transitional epithelium
- v. Cartilage found in external ears
 - a) Hyaline cartilage
 - b) White fibrocartilage
 - c) Yellow elastic fibro cartilage
 - d) All of the above
- vi. Which artery supplies blood to the majority of small intestine
 - a) Coeliac trunk
 - b) Superior mesenteric artery
 - c) Inferior mesenteric artery
 - d) Renal artery
- vii. Which structure is located in the left upper quadrant of abdomen
 - a) Gall bladder
 - b) Appendix
 - c) Spleen
 - d) Caecum
- viii. What is primary function of pleura
 - a) Support the thoracic wall
 - b) Produces Red Blood Cells
 - c) Protects the heart
 - d) Facilitate lung expansion and contraction
- ix. The trachea divides into right & left main bronchi at which anatomical landmark
 - a) T2
 - b) T4
 - c) T6
 - d) T10
- x. Which structure passes through the diaphragm at T10 vertebral level
 - a) Aorta
 - b) Esophagus
 - c) Inferior vena cava
 - d) Phrenic nerve

(PTO)

Short Answer Questions**(8x5=40)**

2. With the help of diagram enumerate boundaries, roof, floor and contents of popliteal fossa
3. Enumerate origin, insertion, nerve supply and action of Quadriceps Femoris Muscle
4. Describe the formation, branches and distribution of sciatic nerve
5. Write a note on right atrium
6. Write a note on extent, parts, course and relations of ureter
7. Define portal vein and describe its formation, course and relations
8. With the help of a diagram explain blood supply of stomach (2+3)
9. Explain histology of thick skin

Long Answer Questions**(5x10=50)**

10. Explain Hip Joint under following heads- type, ligaments, relations, movements and blood supply (2+2+2+2+2)
11. Define mediastinum. Describe its boundaries and mention the contents of each mediastinum (2+4+4)
12. Describe the morphology of uterus and its relation. Mention the blood supply of uterus (4+4+2)
13. Describe the anatomical features of left lung. Explain the bronchopulmonary segments and their applied aspect (5+3+2)
14. Explain about external features, ligaments, relation, blood supply and applied anatomy of Liver (2+2+2+2+2)
