

First Professional B.H.M.S Regular Examination**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 diagrams wherever necessary.*

1. MULTIPLE CHOICE QUESTIONS (MCQ)**(1 x 10 = 10)**

The answers to MCQ shall be written continuously in the first writing sheet (page 3) only.

- I. The right bronchus make an angle ofwith tracheal bifurcation
 - (a) 10-20 degree
 - (b) 20-30 degree
 - (c) 30-40 degree
 - (d) 40-50 degree

- II. Heart and blood vessels develop from
 - (a) Ectoderm
 - (b) Endoderm
 - (c) Mesoderm
 - (d) None of the above

- III. Boundaries of mediastinum are all, except
 - (a) Sternum
 - (b) Cervical vertebrae
 - (c) Thoracic inlet
 - (d) Diaphragm

- IV. Which muscles passes through greater sciatic notch?
 - (a) Superior gemellus
 - (b) Obturator externus
 - (c) Obturator internus
 - (d) Piriformis

- V. Which muscle is called peripheral heart?
(a) Soleus
(b) Gastrocnemius
(c) Plantaris
(d) Sartorius
- VI. Hyaline cartilage is present in all the following regions except
(a) Glenoid cavity of scapula
(b) Lunate surface of acetabulum
(c) Articular surface of Temporomandibular joint
(d) Articular surface of elbow joint.
- VII. What structure among the following supports and retains liver in its position
(a) Falciform ligament
(b) Coronary ligaments
(c) Hepatic veins and Inferior vena cava
(d) Aorta and Hepatic arteries
- VIII. The oesophageal opening in diaphragm is located at which vertebral level.
(a) T-8
(b) T-10
(c) T-12
(d) T-6
- IX. Functional unit of kidney is the
(a) Nephrons
(b) Hepatocytes
(c) Neurons
(d) Chondrocytes
- X. Secretory portion of glands are usually formed of –select the best response:
(a) Squamous epithelium
(b) Cuboidal epithelium
(c) Columnar or cuboidal epithelium
(d) Cuboidal or squamous epithelium.

SHORT ANSWER QUESTIONS

(5 x 8 = 40)

2. Portocaval anastomosis - sites, vessels involved and applied anatomy
3. Histology of Pancreas.
4. Stomach - relations, blood supply and lymphatic drainage
5. Dorsalis pedis artery

6. Femoral triangle
 7. Pleura and pleural recesses
 8. Knee joint-Type of joint, movements permitted and muscles producing movements.
 9. Diaphragm –origin, insertion, nerve supply, actions
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LONG ANSWER QUESTIONS

(10 x 5 = 50)

10. Write in detail the boundaries and contents of mediastinum. Give a brief note on Superior vena cava. (3+4+3)
 11. Describe the formation of Sacral plexus. Name the branches. Enlist the deformities due to injury to the plexus. (4+4+2)
 12. Write in detail about the morphology of Duodenum. Give a note on interior of second part. List two clinical aspects. (6+2+2)
 13. Explain the anatomy of kidney. What are its relations? Give two clinical aspects. (6+2+2)
 14. Describe the morphology of the Pericardium. Give the external features of the Heart. (5+5)
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