

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. Mesentery of small-intestine crosses following structures except
 - a. Inferior vena cava
 - b. Right ureter
 - c. Abdominal aorta
 - d. Left ureter

- II. Neuroglial cells forming myelin sheath in peripheral nervous system are
 - a. Schwann cells
 - b. Ependymal cells
 - c. Oligodendrocytes
 - d. Microglia

- III. Veins of the testis finally drain to
 - a. Inferior vena cava
 - b. Left renal vein
 - c. Left phrenic vein
 - d. Umbilical vein

- IV. Mediastinal pleura is innervated by
 - a. Phrenic nerve
 - b. Intercostal nerve
 - c. Vagus nerve
 - d. Subcostal nerve

- V. Permanent overdistension of alveoli is known as
- Empyema
 - Emphysema
 - Pneumothorax
 - Dyspnoea
- VI. Cell nest is a feature of
- Elastic cartilage
 - Hyaline cartilage
 - White fibro cartilage
 - All cartilages
- VII. The left atrium develops from
- Primitive atrium & Truncus arteriosus
 - Primitive atrium & Bulbus cordis
 - Primitive atrium and sinus venosus
 - Primitive atrium and pulmonary veins
- VIII. Intercalated disc is seen in
- Smooth muscle
 - Cardiac muscle
 - Skeletal muscle
 - None of the above
- IX. Tibial nerve supplies all muscles except
- Popliteus
 - Quadriceps femoris
 - Gastrocnemius
 - Soleus
- X. Tibial collateral ligament of the knee is the morphological continuation of which muscle
- Adductor magnus
 - Adductor brevis
 - Adductor longus
 - None of the above

SHORT ANSWER QUESTIONS

(5 x 8 = 40)

- Mention the parts of the prostate gland and one applied aspect
- Microscopic structure of Arteries with a neatly labelled diagram

- 4) Coverings of kidney and one clinical condition
 - 5) Classification of Mediastinum mentioning contents of Posterior mediastinum in detail
 - 6) Mention the boundaries and contents of Inguinal canal
 - 7) Great saphenous vein – Mention its formation, course , tributaries and termination
 - 8) Name the bursae around the knee joint and the applied aspect
 - 9) Name the structures passing through Greater sciatic notch
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LONG ANSWER QUESTIONS

(10 x 5 = 50)

- 10) Describe the Hip joint under the following heads.
(a)articular surfaces (b)Type of joint (c)ligaments and (d) applied aspects (2+2+4 + 2)
 - 11) Structure and development of Thoraco-abdominal diaphragm and the major openings.
(4 + 2 + 4)
 - 12) Lobes and fissures of Lung and describe Bronchopulmonary segments with clinical aspect. (5 + 3 + 2)
 - 13) Describe the Stomach under the following headings –Parts ,bloodsupply ,lymphatic drainage and applied anatomy. (2 + 3 + 3+ 2)
 - 14) Describe the morphology of anal canal .Mention blood supply, nerve supply and applied aspects. (5+2+1+2)
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