QP Code: 122004 **Reg. No.:……**

First BHMS Degree Supplementary Examinations November 2024
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. Femoral artery is a continuation of
   a) External iliac artery
   b) Popliteal artery
   c) Internal iliac artery
   d) Common iliac artery

ii. Tibialis anterior muscle is supplied by
   a) Sciatic nerve
   b) Common peroneal nerve
   c) Deep peroneal nerve
   d) Superficial peroneal nerve

iii. The mediastinal surface of right lung is not related to the following structure,
   a) Superior venacava
   b) Trachea
   c) Arch of aorta
   d) Azygos vein

iv. Which statement regarding the aortic opening in the diaphragm is true
   a) Lies at the level of 10^{th} thoracic vertebrae
   b) Lies in the central tendon of diaphragm
   c) Lies in the left side of median plane in the right crus of diaphragm
   d) Lies of the level of 12^{th} thoracic vertebrae, posterior to median arcuate ligament

v. Posterior mediastinum contains
   a) Oesophagus
   b) Descending thoracic aorta
   c) Azygos vein
   d) Trachea

vi. Arterial supply of stomach is by
   a) Coeliac trunk
   b) Superior mesenteric artery
   c) Inferior mesenteric artery
   d) Marginal artery

vii. Following is a ligament of uterus
   a) Falciform ligament
   b) Coronary ligament
   c) Round ligament
   d) Triangular ligament

(PTO)

viii. Mesenchyme is
   a) Adult connective tissue
   b) Embryonic connective tissue
   c) Fat tissue
   d) Nervous connective tissue

ix. Hassel's corpuscles are present in
   a) Liver
   b) Spleen
   c) Thymus
   d) Thyroid gland

x. Structural and Functional unit of testis is
   a) Rete testis
   b) Seminiferous tubule
   c) Ductusdeferens
   d) Epididymis

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

2. Give the origin/s, insertion/s, nerve supply and action/s of gluteus maximus. List the muscles and vessels under cover of gluteus maximus (3+2)
3. Describe the boundaries and contents of popliteal fossa
4. Write about the extensor muscles of the knee joint. What is meant by locking and unlocking of the knee. Which muscle is responsible for unlocking of the knee (2+2+1)
5. Define mediastinum. Describe the boundaries and contents of superior mediastinum. (1+2+2)
6. Describe the attachments and contents of lesser omentum
7. Describe the anatomy of the prostate gland. What are its capsules. Give applied anatomy. (3+1+1)
8. Explain urogenital triangle. Write the boundaries and contents of superficial perineal space
9. Describe the microscopic structure of hyaline cartilage with diagram

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

10. Describe the origin, course and tributaries of great sephanous vein. Mention the applied aspect (2+3+3+2)
11. Define pleura. Describe the parts of parietal pleura. Name the recesses of the pleura and mention its functional significance. Write the blood and nerve supply of parietal pleura. (1+4+2+1+1+1)
12. Enumerate the vessels of arterial supply and venous drainage of heart. Describe coronary circulation. Give two clinical conditions related to blood supply of heart. (4+4+2)
13. What are the parts of pancreas. Describe the duct system. Explain applied aspect. (4+3+3)
14. Describe the morphology of anal canal with its relations. Give the blood supply and applied anatomy of anal canal. (4+2+2+2)

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