

**224 E 654**

## **First Year MBBS Examination**

### **I MBBS Anatomy Paper 2**

Date: 12-02-2024

Time: 3 hours Max Marks: 100

Instructions: 1. Answer to the points. 2. Figure to the right indicates marks. 3. Use separate answer books for each section. 4. Draw diagrams wherever necessary. 5. Write legibly.

#### **Section 1**

1. Write the following structured Long question (any 1 out of 2) 1X10=10 marks (10)
  - a. Describe the popliteal fossa under the following headings (a) Boundaries (c) Contents (d) Applied anatomy (3+2+3+2)
  - b. Define the sciatic Nerve under the following headings: (a) Formation and root value (b) Course (c) Branches (d) Applied anatomy (2+3+3+2)
2. Write the following case-based scenario (any 2 out of 3) 2X6=12 marks (12)
  - a. A 50 year old man visited surgeon for dull ache and pigmented skin with

tortuous veins on both legs for one year.  
{a} What is the condition described above? (b) Mention the venous drainage of the lower limb.(c) What is venous muscle pump? (2+2+2)

b. A 55 y old man came to the OPD with complaints of Swelling of Scrotum. The Swelling was soft and impulse was felt on Coughing. A diagnosis of inguinal hernia was given. (a) What is hernia? (b) Write about direct and indirect inguinal hernia (c) Give one difference between inguinal and femoral hernia (2+2+2)

c. A 60 year old man visited the Physician complaining of tightness of left side of chest on climbing Stairs. He also complained that Pain radiated to the inner aspect of left arm and forearm. He informed the doctor that the Pain disappeared on rest (a) What is angina Pectoris? 2 (b) Why did the pain radiate to inner aspect of left arm and forearm? (c) What is Cardiac dominance? (2+2+2)

3. Write short notes {any 3 out of 4} 3X6=18 marks (18)

- a. Maturation of lung
- b. Down's syndrome
- c. Neurulation

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d. Microanatomy of Oesophagus

4. Answer only 2-3 sentences (any 5 out of 6)  
5X2=10 marks (10)
- Corpus luteum
  - Meckel's diverticulum
  - Draw and label the microanatomy of kidney
  - Derivatives of foregut
  - Environmental factors affecting chromosomal aberrations
  - Spermiogenesis

## Section 2

- Write the following structured Long question (any 1 out of 2) 1X10=10 marks (10)
  - Describe the stomach under the following headings (a) Parts (b) Blood supply (c) Stomach bed (d) Applied anatomy (2+3+3+2)
  - Describe the uterus under the following headings (a) Parts (b) Microanatomy (c) Supports of uterus (d) Applied anatomy (2+3+3+2)
- Write short notes {any 2 out of 3} 2X6=12 marks (12)
  - Adductor canal
  - Rectus sheath
  - Lumbricals of foot

3. Write short notes (any 3 out of 4} 3X6=18 marks (18)
  - a. Bronchopulmonary segments
  - b. Conducting system of heart
  - c. Tracheo-oesophageal fistula
  - d. interior of right atrium
4. Answer only 2-3 sentences (any 5 out of 6) 5X2=10 marks (10)
  - a. Openings of diaphragm
  - b. Positions of appendix
  - c. Medial longitudinal arch of foot
  - d. Contents of middle mediastinum ~
  - e. Contents of Femoral triangle
  - f. Sites of porto-systemic anastomosis