

SS/MBBS-I/ANA-II/11-23**First Professional MBBS Examination****2023****(November)****ANATOMY****Paper-II****Full Marks: 100****Time: 3 hours****The figures in the margin indicate****full marks for the questions****Write the answers to the two Halves in separate books****Answer all questions**

1. Choose the correct answer :

1 × 10 = 10

(i) The lingual is a tongue shaped projection from

(a) upper lobe of right lung

(b) upper lobe of left lung

(c) lower lobe of right lung

(d) lower lobe of left lung

(ii) Talus provides attachment to

(a) tibialis posterior

(b) tibialis anterior

(c) extensor digitorum brevis

(d) None of the above

(iii) All are branches of arch of aorta, **except**

- (a) brachiocephalic trunk
- (b) right common carotid artery
- (c) left common carotid artery
- (d) left subclavian artery

(iv) All are retroperitoneal organs, **except**

- (a) kidneys
- (b) pancreas
- (c) spleen
- (d) descending colon

(v) Meckel's diverticulum is due to the persistence of

- (a) allantois
- (b) vitellointestinal duct
- (c) left umbilical vein
- (d) ductus venosus

(vi) Tendon of which muscle traverses the sole from lateral to medial side?

- (a) Tibialis anterior,
- (b) Peroneus longus
- (c) Peroneus brevis
- (d) Peroneus tertius

(vi) Patau syndrome is due to an additional copy of

- (a) chromosome 21

(b) chromosome 13

(c) chromosome 18

(d) chromosome 5

(vii) Closure of anterior neuropore occurs on

(a) day 24

(b) day 25

(c) day 28

(d) None of the above

(ix) Lungs and trachea develop from

(a) foregut—

(b) midgut—

(c) hindgut—

(d) None of the above

(x) The narrowest part of the male urethra is

(a) prostatic part

(b) membranous part

(c) spongy part

(d) intramural part

2. Describe the (uterus) under the following headings :

(a) Development

(b) Normal position and peritoneal covering

(c) Ligaments

- (d) Lymphatic drainage
- (e) Applied anatomy

3. Describe the arches of foot under the following headings :

- (a) Types
- (b) Factors maintaining the arches
- (c) Functions
- (d) Applied anatomy

4. A patient came to the OPD with the complaints of cough, fever and difficulty in respiration. After investigation, he was diagnosed to be suffering from bronchial asthma. From your anatomy knowledge, answer the following questions : $3+5+2=10$

- (a) Describe the coverings of lung
- (b) Draw a labelled diagram of broncho-pulmonary segments.
- (c) Write the applied importance of pleura

5. Write short notes on (any seven) : $5 \times 7 = 35$

- (a) Annular pancreas
- (b) Turner's syndrome
- (c) Notochord
- (d) Dorsalis pedis artery
- (e) Greater omentum
- (f) Histology of duodenum
- (g) Popliteal fossa
- (h) Thoracic duct

6. Answer/Write on the following in short - (any five) :

2 × 5 = 10

- (a) Enumerate the derivatives of foregut
- (b) Name the tributaries of coronary sinus
- (c) Structures passing through the inguinal canal in female
- (d) Derivatives of first pharyngeal pouch-
- (e) Ventral branches of abdominal aorta
- (f) Contents of adductor canal

7. Discuss the ways by which we can express our gratitude to our first teacher—The Cadaver. 5

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