

**SS/MBBS-I/ANA-II/02-23****First Professional MBBS Examination****2023****(February)****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****FIRST HALF**

1. Multiple choice questions. The following questions have four options. You are required to choose the most correct answer :  $1 \times 10 = 10$

(i) Tensor fascia lata is supplied by

- (a) anterior division of femoral nerve
- (b) nerve to vastus lateralis
- (c) superior gluteal nerve
- (d) inferior gluteal nerve

(ii) Ligamentum teres is a remnant of

- (a) lesser omentum
- (b) ductus deferens
- (e) left umbilical vein
- (d) left umbilical artery

(iii) The femoral vein lies \_\_\_\_ to the femoral artery in the femoral sheath.

- (a) lateral
- (b) medial
- (c) anterior
- (d) posterior

(iv) Which is the most common site for the appendix found at appendectomy?

- (a) Retro-ileal
- (b) Retro-caecal
- (c) Pelvic
- (d) Pre-ileal

(v) Which of the following structures lies within the knee joint?

- (a) Patellar ligament
- (b) Tibial collateral ligament
- (c) Fibular collateral ligament
- (d) Tendon of popliteus

(vi) Contents of deep inguinal ring includes all, except

- (a) ilioinguinal nerve
- (b) vas deferens
- (c) cremasteric artery
- (d) genital branch of the genitofemoral nerve

(vii) Paramesonephric duct is also known as

- (a) Mullerian duct
- (b) Wolffian duct
- (c) mesonephric duct
- (d) vitellointestinal duct

(viii) The action of the tibialis posterior is

- (a) dorsiflexion and inversion of the foot
- (b) plantar flexion and inversion of the foot
- (c) dorsiflexion and eversion of the foot
- (d) plantar flexion and eversion of the foot

(ix) Cri-du-chat syndrome is caused by deletion of short arm of chromosome

- (a) 5
- (b) 13
- (c) 18
- (d) 21

(x) The right border of heart is formed by

- (a) right ventricle only
- (b) right atrium only
- (c) right atrium and right ventricle
- (d) right atrium, right ventricle and pulmonary trunk

2. Long answer question :

(a) Describe the kidney under the following headings: 3+3+3+3+3=15

(i) Coverings of the kidney

- (ii) Anterior relations
- (iii) Posterior relations
- (iv) Developmental anomalies of kidney
- (v) Juxtaglomerular apparatus

(b) Describe the heart under the following headings :  $3+3+3+3+3=15$

- (i) External features
- (ii) Blood supply
- (iii) Development
- (iv) Openings in the right atrium
- (v) Applied anatomy

3. A young female felt pain in the region of the umbilicus. She had nausea, fever and increased pulse rate. Later, pain was localized in her right iliac fossa. Describe the structure involved under the following headings :  $2+2+3+3=10$

- (a) Position of the organ
- (b) Blood supply
- (c) Microanatomy
- (d) Clinical anatomy

### SECOND HALF

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

- (a) In vitro fertilization
- (b) Menisci of knee joint
- (c) Development of pancreas with congenital anomalies
- (d) Blood supply of stomach

- (e) Evertors of foot
- (f) Azygos vein
- (g) Histology of spleen
- (h) Klinefelter's syndrome

5. Answer/Write briefly any five of the following :  $2 \times 5 = 10$

- (d) Enumerate two abnormal sites of implantation.
- (b) Enumerate the sites of constrictions of oesophagus.
- (c) Enumerate two sites of portocaval anastomosis.
- (d) Mention four derivatives of ectoderm.
- (e) Enumerate the branches of coeliac trunk.
- (f) Derivatives of paramesonephric duct in females

6. Describe briefly the physician's role and responsibility to society. 5

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