

Total number of printed pages-8

34 (1) ANAT 1.1

2017

HUMAN ANATOMY

Full Marks : 100

Time : Three hours

The figures in the margin indicate full marks for the questions.

I. Essay type : (answer **any two** out of **three**)
2×10=20

- (i) Describe the knee joint in details with neat diagram. Discuss clinical anatomy of the knee joint.
- (ii) Describe the anatomy of human heart in details with neat diagram. Mention about clinical anatomy of human heart.
- (iii) Discuss in details about the human urinary bladder. Discuss about clinical importance of urinary bladder.

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II. Short essay type : (answer **any ten** out of **twelve**)
10×5=50

- (i) Brachial Plexus
- (ii) Carpal Tunnel Syndrome
- (iii) Femoral triangle
- (iv) Popliteal Fossa
- (v) Histology of muscle (skeletal)
- (vi) Functional areas of Cerebrum
- (vii) Spinal Cord
- (viii) Anterior triangle of neck
- (ix) Uterus and its supports
- (x) Placenta and its function
- (xi) Development of bone
- (xii) Hamstring group of muscle.

III. Short answer type : (answer **any five** out of **seven**)
5×2=10

- (i) Muscles causing inversion and eversion of foot
- (ii) Powerful flexors and extensors of hip joint
- (iii) Extraocular muscles of eye ball
- (iv) Bicep brachii muscle

- (v) Function of cerebellum
- (vi) Popliteus muscle
- (vii) Palmar aponeurosis.

IV. Choose the correct answer : 20×1=20

- (i) Nerve supply of Pronator teres is —
 - (a) Ulnar nerve
 - (b) Radial nerve
 - (c) Median nerve
 - (d) Axillary nerve
- (ii) Wrist drop occurs due to —
 - (a) Ulnar nerve palsy
 - (b) Radial nerve palsy
 - (c) Median nerve palsy
 - (d) Axillary nerve palsy.
- (iii) Rotator cuff muscles includes following except —
 - (a) Supraspinatus
 - (b) Infraspinatus
 - (c) Teres major
 - (d) Teres minor.

- (iv) Action of triceps brachii muscle is —
- (a) Flexion
 - (b) Extension
 - (c) Abduction
 - (d) Adduction.
- (v) Foot drop occurs due to —
- (a) Tibial nerve palsy
 - (b) Femoral nerve palsy
 - (c) Common peroneal nerve palsy
 - (d) Sciatic nerve palsy.
- (vi) Adductor canal contains following structures except —
- (a) Femoral artery
 - (b) Femoral nerve
 - (c) Femoral vein
 - (d) Obturator nerve..
- (vii) Nerve supply of extensor digitorum longus muscle is —
- (a) Superficial peroneal nerve
 - (b) Deep peroneal nerve
 - (c) Femoral nerve
 - (d) Tibial nerve.

- (viii) Hassal's corpuscle is a histological feature of —
- (a) Lymph node
 - (b) Palatine tonsil
 - (c) Thymus
 - (d) Spleen.
- (ix) Haversian canal is a histological feature of —
- (a) Spungy bone
 - (b) Compact bone
 - (c) Skeletal muscle
 - (d) Smooth muscle.
- (x) Nervous system develops from —
- (a) Ectoderm
 - (b) Endoderm
 - (c) Mesoderm
 - (d) All of the above.
- (xi) Epithelium develops from —
- (a) Mesoderm
 - (b) Endoderm
 - (c) Ectoderm
 - (d) All of the above.

- (xii) Fertilization occurs in which part of Fallopian tube ?
- (a) Isthmus
 - (b) Fimbria
 - (c) Infundibulum
 - (d) Ampulla.
- (xiii) Inguinal canal contains following structures except —
- (a) Spermatic cord in male
 - (b) Round ligament in female
 - (c) Ilio-inguinal nerve
 - (d) Ilio-femoral nerve
- (xiv) Following are the tributaries of hepatic portal vein except —
- (a) Superior mesenteric vein
 - (b) Inferior mesenteric vein
 - (c) Spleenic vein
 - (d) Hepatic vein.
- (xv) Surface epithelium of ureter is —
- (a) Columnar
 - (b) Squamous
 - (c) Transitional
 - (d) Cuboidal.

- (xvi) Strap muscles of neck includes following except —
- (a) Sternohyoid
 - (b) Sterno Thyroid
 - (c) Thyrohyoid
 - (d) Sternocleidomastoid.
- (xvii) Motor nerve supply of tongue is —
- (a) Facial nerve
 - (b) Accessory nerve
 - (c) Hypoglossal nerve
 - (d) Glossopharyngeal nerve.
- (xviii) Brainstem includes following structures except —
- (a) Medulla oblongata
 - (b) Pons
 - (c) Midbrain
 - (d) Cerebellum.
- (xix) Following extraocular muscles are supplied by oculomotor nerve except —
- (a) Superior rectus
 - (b) Inferior rectus
 - (c) Superior oblique
 - (d) Inferior oblique.

(xx) Following are motor tracts except —

- Corticospinal
- Rubrospinal
- pino-cerebellar
- Tectospinal.