

Total number of printed pages-8

34 (1) ANAT 1-1

2018

**ANATOMY**

Full Marks : 100

Time : Three hours

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

1. Long questions : *(any two)* 10×2=20
- I. Describe heart under the following headings : 3+4+3=10
- (a) Interior of right atrium
- (b) Arterial supply
- (c) Venous drainage
- II. Define and classify bones. 5
- Define epiphysis. 1
- Write the different types of epiphysis with example. 4

Contd.

III. Describe human kidney under the following headings :

- |                                 |   |
|---------------------------------|---|
| (a) Development                 | 2 |
| (b) Position                    | 1 |
| (c) Histology                   | 3 |
| (d) Blood supply                | 2 |
| (e) Juxta Glomerular apparatus. | 2 |

2. Answer the following : **(any ten)** 5×10=50

- (i) Cardiac muscle
- (ii) Histology of liver
- (iii) Subarachnoid space
- (iv) Portal vein
- (v) Bronchopulmonary segment
- (vi) Brachialis muscle
- (vii) Circle of Willis
- (viii) Erb's paralysis
- (ix) Lateral wall of nose
- (x) Rectus sheath

(xi) Microanatomy of cerebellar cortex

(xii) Adrenal cortex.

3. Answer **any five** of the following:

2×5=10

(i) Sensory supply of tongue

(ii) Nerve supply of extra-ocular muscles

(iii) Sesamoid bone

(iv) Muscles of mastication

(v) Corpus luteum

(vi) Sciatic nerve

(vii) Artery of epistaxis.

4. Choose the correct answer: 20×1=20

(i) Which of the following is not a neuroglia?

(a) Astrocyte

(b) Microglia

(c) Macrophage

(d) Ependymal cell.

- (ii) Intercelated disc is found in —  
(a) Skeletal muscle  
(b) Cardiac muscle  
(c) Smooth muscle  
(d) All of the above.
- (iii) Thinnest wall of orbit is —  
(a) Medial wall  
(b) Lateral wall  
(c) Roof  
(d) Floor.
- (iv) All of the following are contents of carotid sheath except —  
(a) Vagus nerve  
(b) Sympathetic trunk  
(c) Internal carotid artery  
(d) Internal jugular vein.
- (v) Maxillary nerve is a branch of —  
(a) Occulomotor nerve  
(b) Trochlear nerve  
(c) Trigeminal nerve  
(d) Facial nerve

- (vi) Cell responsible for bone resorption is —  
(a) Osteocyte  
(b) Osteoblast  
(c) Osteoclast  
(d) Osteoprogenitor cell.
- (vii) Spinal cord extends upto —  
(a) L<sub>1</sub> vertebra  
(b) L<sub>2</sub> vertebra  
(c) L<sub>3</sub> vertebra  
(d) T<sub>12</sub> vertebra
- (viii) Cerebrospinal fluid is produced by —  
(a) Astrocyte  
(b) Oligodendrocyte  
(c) Ependymal cell  
(d) Microglia.
- (ix) Coracobrachialis muscle is supplied by —  
(a) Median nerve  
(b) Radial nerve  
(c) Musculocutaneous nerve  
(d) Ulnar nerve

- (x) Which of the following is not a composite muscle ?
- (a) Flexor digitorum superficialis
  - (b) Brachialis
  - (c) Pectineus
  - (d) Adductor magnus.
- (xi) Stomach is lined by —
- (a) Simple columnar epithelium
  - (b) Simple cuboidal epithelium
  - (c) Simple ciliated columnar epithelium
  - (d) Simple squamous epithelium.
- (xii) All of the following muscles belong to hamstring group except —
- (a) Semimembranosus
  - (b) Semitendinosus
  - (c) Short head of biceps femoris
  - (d) Ischial head of adductor magnus.
- (xiii) Facial nerve supplies —
- (a) Masseter
  - (b) Temporalis
  - (c) Pterygoid
  - (d) Buccinator.

- (xiv) Small intestine is lined by —
- (a) Simple columnar with striated border
  - (b) Simple columnar with brush border
  - (c) Simple cuboidal epithelium
  - (d) Simple squamous epithelium.
- (xv) Patella develops in the tendon of —
- (a) Popliteus
  - (b) Quadriceps femoris
  - (c) Semimembranosus
  - (d) None of the above.
- (xvi) Tibialis anterior is supplied by —
- (a) Superficial peroneal nerve
  - (b) Deep peroneal nerve
  - (c) Tibial nerve
  - (d) None of the above.
- (xvii) Gastrulation occurs in —
- (a) Third week of development
  - (b) Fourth week of development
  - (c) Fifth week of development
  - (d) Sixth week of development.

(xviii) All of the following are branches of coeliac trunk except —

- (a) Left gastric artery
- (b) Right gastric artery
- (c) Splenic artery
- (d) Common hepatic artery.

(xix) Midgut is supplied by —

- (a) Superior mesenteric artery
- (b) Inferior mesenteric artery
- (c) Coeliac trunk
- (d) Splenic artery.

(xx) Eversion of foot is done by —

- (a) Popliteus
- (b) Peroneus longus
- (c) Biceps femoris
- (d) Soleus.