

Total number of printed pages-8

34 (1) ANAT 1-1

2021

(Held in 2022)

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 stomach under the following headings
 - (a) location 1
 - (b) facts 2
 - (c) histology 4
 - (d) blood supply 3
 - (ii) (a) Describe brachial plexus with a well labelled diagram 5
 - (b) Write a note on Erb's paralysis 3

Contd.

(c) Write a note on Klumpke's paralysis 2

(iii) Describe heart under the following headings

(a) chambers of heart 2

(b) interior of right atrium 2

(c) arterial supply 3

(d) venous drainage 3

2. Answer the following : **(any ten)** $5 \times 10 = 50$

(i) Carotid triangle

(ii) Histology of liver

(iii) Urothelium

(iv) Adductor canal

(v) Rotator cuff

(vi) Functional areas of brain

(vii) Epiphysis

(viii) Cubital fossa

(ix) Course of a typical spinal nerve

(x) Cardiac muscle

(xi) Lumbricals of hand

(xii) Hamstring muscles

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

$2 \times 5 = 10$

(i) Eversion and inversion of foot

(ii) Haversian system

(iii) Holocrine gland

(iv) Secondary cartilagenous joints

(v) Carpel tunnel syndrome

(vi) Parts of fallopian tube

(vii) Branches of arch of aorta

4. Choose the correct answer :

$1 \times 20 = 20$

(i) JG apparatus include all except

(a) JG cells

(b) Macula densa

(c) Podocyte

(d) Lacis cell

(ii) Brachialis muscle is supplied by

(a) Ulnar nerve

(b) Musculocutaneous nerve

(c) Median nerve

(d) None of the above

- (iii) Duramater around spinal cord ends at the level of
- (a) L 5 vertebra
 - (b) S 1 vertebra
 - (c) S 2 vertebra
 - (d) S 3 vertebra
- (iv) Which of the following is a muscle of fourth layer of sole
- (a) Peroneus brevis
 - (b) Peroneus longus
 - (c) Flexor hallucis brevis
 - (d) Abductor digiti minimi
- (v) Which of the following is not a branch of trigeminal nerve
- (a) Ophthalmic nerve
 - (b) Chorda tympani
 - (c) Maxillary nerve
 - (d) Mandibular nerve
- (vi) Taste sensation from posterior 1/3rd of tongue is carried by
- (a) Glossopharyngeal nerve
 - (b) Lingual nerve
 - (c) Chorda tympani
 - (d) Vagus nerve

- (vii) Oesophagus is lined by
- (a) Keratinized stratified squamous epithelium
 - (b) Simple columnar epithelium
 - (c) Non-keratinized stratified squamous epithelium
 - (d) Transitional epithelium
- (viii) Anterior wall of middle ear cavity is related to
- (a) External carotid artery
 - (b) Internal carotid artery
 - (c) Internal jugular vein
 - (d) Glossopharyngeal nerve
- (ix) Superficial peroneal nerve supply
- (a) Gastrocnemius
 - (b) Peroneus longus
 - (c) Soleus
 - (d) None of the above
- (x) Which of the following is a composite muscle
- (a) Adductor magnus
 - (b) Coracobrachialis
 - (c) Biceps brachii
 - (d) Semimembranosus

(xi) First carpometacarpal joint is

- (a) Ball and socket
- (b) Pivot
- (c) Ellipsoid
- (d) Saddle

(xii) Glenoidal labrum is

- (a) Elastic cartilage
- (b) Fibrocartilage
- (c) Hyaline cartilage
- (d) Compact bone

(xiii) Lateral rectus is supplied by

- (a) Oculomotor nerve
- (b) Trigeminal nerve
- (c) Trochlear nerve
- (d) Abducent nerve

(xiv) Brunner's glands are found in

- (a) Stomach
- (b) Duodenum
- (c) Jejunum
- (d) Liver

(xv) Terminal branch of external carotid artery is

- (a) Facial artery
- (b) Lingual artery
- (c) Maxillary artery
- (d) Superior thyroid artery

(xvi) Inferior meatus of nose presents the opening of

- (a) Frontal sinus
- (b) Maxillary sinus
- (c) Nasolacrimal duct
- (d) Anterior ethmoid sinus

(xvii) Inferior gluted nerve supply

- (a) Gluteus maximus
- (b) Gluteus medius
- (c) Piriformis
- (d) None of the above

(xviii) Safety muscle of larynx is

- (a) Cricothyroid
- (b) Posterior cricoaryteroid
- (c) Vocalis
- (d) Interaryteroid

- (xix) Alveoli of lungs are lined by
- (a) Simple columnar epithelium
 - (b) Simple squamous epithelium
 - (c) Simple cuboidal epithelium
 - (d) Stratified squamous epithelium
- (xx) Roof of inguinal canal is formed by
- (a) External oblique muscle
 - (b) Internal oblique muscle
 - (c) Fascia transversalis
 - (d) Intercostal muscle
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