



DAC-M-20171-N

Seat No. _____

First Year M. B. B. S. Examination

April - 2022

Anatomy : Paper - I

Time : 3 Hours]

[Total Marks : 100

- Instructions :** (1) Write sections I and II in separate answer sheets.
(2) Draw diagrams wherever necessary.
(3) Figures on right indicate full marks.

SECTION - I

- 1 Select single best response : (1 mark each) **6×1=6**
- (1) Which of the following is a dangerous layer of scalp?
(a) Skin (b) Subcutaneous tissue
(d) Galea aponeurotica (c) Sub aponeurotic space
- (2) All of the following forms the boundary of submental triangle EXCEPT
(a) Myelohyoid (b) Chin
(c) Hyoid bone (d) Geniohyoid
- (3) Myringotomy incision is usually made in which of the following quadrant of tympanic membrane?
(a) Anteroinferior (b) Anterosuperior
(c) Posteroinferior (d) Posterosuperior
- (4) Zenker's diverticulum is out pouching from
(a) Upper oesophagus (b) Laryngopharynx
(c) Oropharynx (d) Nasopharynx
- (5) Adiadocokinesis seen in the lesion of
(a) Cerebrum (b) Thalamus
(c) Cerebellum (d) Hypothalamus
- (6) Aneurysm of anterior communicating artery will most likely cause
(a) Visual disturbance (b) Auditor disturbance
(c) Olfactory disturbance (d) Motor disturbance

- 2 Describe the thyroid gland under following headings : 3+3+3+3=12
- (i) External feature
 - (ii) Blood supply
 - (iii) Microstructure
 - (iv) Applied anatomy

OR

- 2 Describe the gross and applied anatomy of cervical sympathetic chain. 9+3=12
- 3 (a) Write short notes : (any **two**) 2×6=12
- (i) Constrictors of pharynx
 - (ii) Palatine tonsil
 - (iii) Fascia Colli
- (b) Write short notes : (any **two**) 2×6=12
- (i) Basal nuclei
 - (ii) Draw and label, transverse section of lower part of Pons.
 - (iii) Lateral ventricle
- 4 Answer in brief : (any **four**) 4×2=8
- (i) Blood supply of nasal septum
 - (ii) Lymphatic drainage of tongue.
 - (iii) What is motor aphasia?
 - (iv) Define tela choroidea and choroid plexus.
 - (v) Draw and label longitudinal section of compact bone.

SECTION - II

- 5 Select single best response : (1 mark each) 6×1=6
- (1) Whitlow is an infection of which of the following space
- (a) Space of Parona
 - (b) Pulp space
 - (c) Thenar space
 - (d) Midpalmar space

- (2) Claw hand is seen in which of the following palsy?
- Erb's palsy
 - Klumpke's palsy
 - Bell's palsy
 - Saturday night palsy
- (3) Scapular anastomosis is between which of the following arteries?
- Ist part subclavian + Ist part axillary
 - IIIrd part subclavian + Ist part axillary
 - Ist part subclavian + IIIrd part axillary
 - IIIrd part subclavian + IIIrd part axillary
- (4) Which germ layer is established first during gastrulation?
- Ectoderm
 - Intraembryonic mesoderm
 - Extraembryonic mesoderm
 - Endoderm
- (5) Which of the following is primary organizer
- | | |
|----------------|----------------------|
| (a) Blastopore | (b) Neural tube |
| (c) notochord | (d) Primitive streak |
- (6) Which of the following cartilage chiefly contains collagen type-1 fibers?
- | | |
|-----------------|---------------|
| (a) Hyaline | (b) Elastic |
| (c) White fibro | (d) Articular |

6 Describe the mammary gland under following headings : **4+2+4+2=12**

- External features
- Blood supply
- Lymphatic drainage
- Applied anatomy

OR

- 6** Describe the shoulder girdle under following headings : **2+10=12**
- (i) Joint names and types
 - (ii) Movements, axis of movement and muscles producing movements.
- 7** (a) Write short notes : (any **two**) **2×6=12**
- (i) Microstructure of kidney.
 - (ii) Microstructure of stratified epithelium.
 - (iii) Draw and label the microstructure of adenohypophysis and neurohypophysis
- (b) Write short notes : (any **two**) **2×6=12**
- (i) Fertilization and assisted reproductive techniques (ART)
 - (ii) Chorionic villi.
 - (iii) Notochord
- 8** Answer in brief : (any **four**) **4×2=8**
- (i) What is Carpal tunnel syndrome?
 - (ii) What is ape thumb deformity?
 - (iii) Draw and label graffian follicle
 - (iv) Discuss about importance of communication in medicine.
 - (v) Discuss about importance of cadaver in anatomy learning.
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