

2021

ANATOMY

Paper — I

Full Marks : 100

Time : 3 hours

Answer all questions

The figures in the right-hand margin indicate marks

Draw diagrams wherever necessary

SECTION — A

[Marks : 50]

1. Describe Cavernous sinus under following headings : 2+3+3+4+3

- (a) Location and Dimension
- (b) Structures passing through it
- (c) External relation

(Turn Over)

(6)

(iii) Artery of cerebral hemorrhage is :

- (a) Frontopolar
- (b) Anterior choroidal
- (c) Lenticulo striate
- (d) Posterior communicating

(iv) Forceps major passes through which part of corpus callosum :

- (a) Rostrum
- (b) Genu
- (c) Body
- (d) Splenium

(v) Descending tract is :

- (a) Anterior spinal thalamic
- (b) Tectospinal
- (c) Posterior spino cerebellar
- (d) Fasciculus gracilis

- (d) Tributaries
- (e) Communications

2. Write short notes on any three : 5 × 3

- (i) Blood supply of Thyroid gland
- (ii) Placental anomalies
- (iii) Histology of spleen
- (iv) Pleural effusion.

3. Answer the question after reading the clinical scenario : 5 × 2

(a) Following Stroke, a 60 years old male suffer from left side hemiplegia and right side tongue paralysis :

- (i) Name the syndrome and mention the artery involved.
- (ii) Mention the tract and nerve involved.

(b) A 45 years old male noticed a swelling in the midline of neck 15 days back. Swelling

was rapidly growing and now he complains of hoarseness of voice since last 3 days :

- (i) Mention the nerve involved.
- (ii) Mention its anatomical basis.

4. Answer briefly : (a) 2 × 5

(a) Mention the ligaments attached to Styloid process of Temporal bone.

(b) Name the muscles supplied by Ulnar nerve in Forearm.

(c) Name the Bronchopulmonary segments present in the lingula of left lung.

(d) Name the structures passing through Foramen spinosum.

(e) Name the branches arising from second part of Axillary artery.

SECTION - B

[Marks : 50]

(4)

5. Describe oculomotor nerve under following headings : 4 + 3 + 4 + 4

- (a) Origin (Nuclear complex)
- (b) Course
- (c) Distribution
- (d) Applied anatomy

6. Write short notes on any three : 5 × 3

- (i) Blood supply of internal capsule
- (ii) Developmental anomalies of Face and Palate
- (iii) Caput succedaneum
- (iv) Organ of corti.

7. Give anatomical reasons : 2 × 5

- (a) Needle should be pierced at upper border of lower rib of an intercostal space in Pleural tap.
- (b) It is not advised to talk during eating.

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(Continued)

(5)

- (c) Whitlow is very painful.
- (d) Oral tablets should be placed at tip or middle of the tongue during intake.
- (e) Horizontal incision is given during drainage of Parotid abscess.

8. Write the correct answers of the following MCQs : 2 × 5

- (i) All are branches of Basilar artery except :
 - (a) Posterior cerebral artery
 - (b) Superior cerebellar artery
 - (c) Posterior inferior cerebellar artery
 - (d) Labyrinthine artery
- (ii) Inferior olivary nuclear complex present in :
 - (a) Mid brain
 - (b) Pons
 - (c) Cerebellum
 - (d) Medulla oblongata

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(Turn Over)