

8. Write the correct answer of all the following MCQS:-  
(5x2=10)

- a. Cingulum is an example of
  - i. Projection fibres
  - ii. Association fibres
  - iii. Commissural fibres
  - iv. None of the above
- b. The height of an individual is decreased at night due to:
  - i. Flattering of vertebral
  - ii. Flattering of intervertebral disc
  - iii. Thinning of nucleus pulposus
  - iv. Thinning of the vertebral
- c. Average weight of the adult pituitary gland is:-
  - i. 50mg
  - ii. 500mg
  - iii. 50gm
  - iv. 500gm
- d. Insula lies between
  - i. Frontal and temporal lobe
  - ii. Frontal and parietal lobe
  - iii. Parietal and occipital lobe
  - iv. Occipital and temporal lobe
- e. Styloid ligament is derived from cartilage of
  - i. 1<sup>st</sup> pharyngeal arch
  - ii. 3<sup>rd</sup> pharyngeal arch
  - iii. 2<sup>nd</sup> pharyngeal arch
  - iv. 4<sup>th</sup> pharyngeal arch

**I-P-II-S-MBBS-Anatomy-I**

**2021**

Time :As in Programme

Full Marks : 100

*The figures in the right-hand margin indicate marks.*

*Answer **all** questions.*

*Draw diagrams wherever necessary*

**SECTION-A [50 MARKS]**

- 1. Describe the mammary gland under the following headings: (3+3+5+4=15)
  - a) Extent and relations
  - b) Arterial supply
  - c) Lymphatic drainage
  - d) Applied anatomy
- 2. Write short notes on any three (3x5=15)
  - a) Wharton's Jelly
  - b) Bronchopulmonary Segments
  - c) Histology of Trachea
  - d) Arch of Aorta

(Turn Over)



3. Answer the questions after reading the clinical scenario  
(2x5=10)

a) A volleyball player complained of pain in the scapula and shoulder, discomfort. When sitting against a chair. On examination, inferior angle of scapula was rotated medially and the medial border of scapula was prominent.

i. What do you call this condition?

ii. What is the cause for this condition?

b) A 60 year old man was admitted in the casualty for sensation of pressure in the left side of the chest. He complained of sweating, shortness of breath and vomiting. The pain radiated to the left arm, forearm and hand.

i. Name the arteries involved in this condition.

ii. Why was the pain radiated to the left arm, forearm and hand?

4. Answer briefly:- (5x2=10)

i. Name the openings into the right atrium of heart.

ii. Structures passing through the Quadrangular space.

iii. Anatomical snuff box

iv. Sources of development of interventricular septum.

v. Nerves supplying the diaphragmatic pleura.

(Contd.)

(2)

### SECTION-B [50 MARKS]

5. Describe the parotid gland under the following headings:- (5+4+3+3=15)

a) Gross features

b) Histology

c) Blood supply

d) Development

OR

Describe the internal capsule under the following headings: (3+5+4+3=15)

a. Parts

b. Fibres passing through it

c. Blood supply

d. Applied anatomy

6. Write short notes on any three:- (3x5=15)

a. Corpus callosum

b. Mesodermal derivatives of 2<sup>nd</sup> pharyngeal arch

c. Nerve supply of face

d. Transverse section of medulla at the level of Decussation of pyramid.

7. Give Anatomical reasons of the following:- (5x2=10)

a. Gag reflex

b. Low tracheostomy is risky in children.

c. In cancer of tongue the pain radiates to the ear.

d. Black eye

e. Finger nail trauma of picking of nose in children leads to epistaxis.

(Turn Over)

(3)