



RAN - 2006000101010001

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1st MBBS Paper-I Examination
January - 2021
Anatomy, Paper-I (Set-II)
New CBME Curriculum Pattern
Time: 3 Hours]
[Total Marks: 100
સૂચના : / Instructions
(૧)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

1st MBBS Paper – I

Name of the Subject :

Anatomy, Paper-I (Set-II) New CBME Curriculum Pattern

Subject Code No.: 2006000101010001

Seat No.:

Student's Signature

- (2) Write each section in separate answer book.
- (3) In section A, All MCQ are compulsory, only one answer will be accepted, No negative marking, correct answer must be Marked in OMR SHEET with black pen, & submit in first 30 minutes.
- (4) Draw labelled diagram wherever required.
- (5) Figures to right indicate marks.
- (6) Write to the point.

SECTION A – MCQ
1x20=20

1. All of the following structures form Boundaries of Digastric triangle except:
 - a. Anterior belly of digastric
 - b. Posterior belly of digastric
 - c. Superior belly of Omohyoid muscle
 - d. Base of mandible

2. All of the following are contents of carotid sheath except:
 - a. Internal Carotid Artery
 - b. External Carotid Artery
 - c. Internal Jugular Vein
 - d. Vagus Nerve

3. Which layer of the scalp is called as 'dangerous layer':
 - a. Layer of Loose areolar tissue
 - b. Pericranium
 - c. Subcutaneous Layer
 - d. Aponeurotic layer

4. All of the following are branches of mandibular Nerve except:
 - a. Inferior alveolar Nerve
 - b. Buccal Nerve
 - c. Auriculotemporal Nerve
 - d. Zygomatic Nerve

5. All of the following are branches of External Carotid artery except:
 - a. Superior Thyroid artery
 - b. Inferior Thyroid Artery
 - c. Facial artery
 - a. Lingual artery

6. Damage to ulnar nerve at elbow will produce all except
 - a. Flattening of medial border of forearm
 - b. Ulnar claw hand
 - c. Sensory loss on medial one and half fingers including nail bed
 - d. Pointing index finger

7. Incorrect statement about Midpalmar space is
 - a. It is situated under the inner half of the hollow of the palm
 - b. It communicates proximally to forearm space of Parona
 - c. It communicates distally with Fascial sheath of 3rd and 4th lumbrical
 - d. Drainage of pus from this space is done by putting an incision in first web space.

8. What type of joint is superior Radio ulnar joint?
 - a. Pivot
 - b. Hinge
 - c. Saddle
 - d. Plane



9. Which of the following muscle causes protraction of Scapula?
- Levator Scapulae
 - Trapezius
 - Serratus Anterior
 - Latissimus dorsi
10. Miner's elbow is
- Subluxation of head of the radius
 - Pain and Tenderness at medial epicondyle of humerus
 - Inflammation of bursa over subcutaneous posterior surface of olecranon process
 - Pain & tenderness at lateral epicondyle of humerus
11. Importance of metaphysis is because all of the following reasons, except:
- Highly vascular
 - Hair pin bends of Nutrient vessels
 - Cupping of metaphysis in osteomyelitis
 - Infection of long bone starts here
12. Which pair of the following is wrong?
- Unipennate- Flexor Pollicis Longus
 - Circumpennate- Peroneus Tertius
 - Bipennate- Rectus Femoris
 - Multipennate- deltoid
13. Hyaline cartilage is found in:
- Epiglottis
 - Costal cartilage
 - Intervertebral disc
 - Pinna of Ear
14. Skeletal Muscle is present in all of the following structures except:
- Tongue
 - Limb muscles
 - Upper Oesophagus
 - Stomach





15. Chordoma arises from remnants of
- a. Spinal cord
 - b. Nephrogenic cord
 - c. Notochord
 - d. Umbilical cord
16. Limb muscles develop from
- a. Paraxial mesoderm
 - b. Lateral plate mesoderm
 - c. Splanchnic mesoderm
 - d. Neural crest cells
17. All of the following are intracerebellar nuclei except
- a. Dentate Nucleus
 - b. Fastigial Nucleus
 - c. Globose Nucleus
 - d. Red Nucleus
18. Corpus striatum includes all of the following except:
- a. Caudate Nucleus
 - b. Putamen
 - c. Globus Pallidus
 - d. Dentate Nucleus
19. Which of the following is not a part of diencephalon:
- a. Medial geniculate body
 - b. Lateral geniculate body
 - c. Pulvinar
 - d. Pineal body
20. The brainstem consist of all of the following components except:
- a. Midbrain
 - b. Pons
 - c. Medulla
 - d. Cerebellum



**SECTION B****Marks: 40****Question 2. Write down any 2 case scenario questions —****16 marks**

1. A 12 year old boy is brought to emergency department with a history of head injury. Later on a boy developed bluish discolouration around eye. (Black eye) (2+2+4 marks)
 - a. Give anatomical basis of black eye in head injury
 - b. Enumerates the layers of scalp
 - c. Write applied aspect of scalp.

2. A baby boy delivered by forceps delivery a week ago was brought to paediatrician by her parents with complains that baby's right arm was medially rotated and adducted and his forearm was extended and pronated. Doctor also noticed sensory loss on lateral aspect of right arm. (1+2+5 marks)
 - a) What is the name of this condition
 - b) What is the site of lesion and cause that produce such lesion?
 - c) Enumerate branches arising from cords of Brachial plexus and draw diagram of brachial plexus.

3. A 65 year patient presented with resting tremors of hand, mask like facies, shuffling gait. A careful physical examination by a neurologist revealed increased muscle tone and cogwheel type of rigidity of joints. A clinical diagnosis of parkinsonism was made. (4+3+1 marks)
 - a) What is an anatomical basis of Parkinsonism?
 - b) What is basal ganglia and describe its parts.
 - c) Deficiency of which neurotransmitter is found in this condition?

Question. 3. A) Write short note — (2 out of 3)**10 marks**

1. Describe radio ulnar joint in detail with its applied aspect.
2. Describe location, formation & branches, superficial palmar arch.
3. Describe lymphatic drainage of breast with its applied aspect.

B) Write short notes on—**10 marks**

1. Amniocentesis or Notochord
2. Spina bifida or Development of face





C) Write short notes on any one—

4 marks

3. Cartilaginous joint
4. Describe in brief types of circulation

Section C

Marks: 40

Question 4 Long question (two out of three) 16 marks

- 1) Describe formation, location, contents, and tributaries of cavernous sinus. Also give in brief about cavernous sinus thrombosis.
- 2) Describe lateral wall of nose under following headings- its characteristic features, enumerate the openings into it. Also give in brief about middle meatus.
- 3) Describe location & extent, capsules, blood supply, & applied aspect of thyroid gland

Question 5 A) Write short note- (2 out of 3)

10 marks

- 1) Describe Medial medullary syndrome
- 2) Sensory speech area
- 3) Describe corpus callosum under following headings—Definition, parts, functions, & applied anatomy.

B) Write short note on histology of-

10 marks

- a) Transitional epithelium or Mixed salivary gland
- b) Tonsil or tongue

C) Write short note— (any one)

4 marks

- a) Implantation
- b) Epiphysis
- c) Fibro cartilage

