

001/21

The West Bengal University of Health Sciences
MBBS 1st Professional Examination (New Regulation), March 2021

Subject: Anatomy
Paper : II

Full Marks : 100
Time : 3 hours

Attempt all questions. The figures in the margin indicate full marks.

1. a) A patient develops hoarseness of voice following thyroidectomy operation. Explain hoarseness of voice anatomically. Enumerate intrinsic muscles of larynx. Mention nerve supply of intrinsic muscles of larynx. 2+3+2+8
- b) What are different types of white fibres in the brain? How internal capsule is formed? Write in brief different parts of internal capsule with clinical applications and arterial supply. 3+2+3+4+3
2. a) Describe the knee joint under the following headings- enumerate 4 ligaments, locking & unlocking mechanism, muscles producing movements of knee joint, unhappy triad. 2+4+2+2
- b) What is Venous Ulcer? Write in short venous drainage of lower limb. 3+7
- c) Name the muscles of tongue with their nerve supply. What do you mean by lingual tonsil. 6+4
3. Write a short notes on the following: 2x5
 - a) Pivot joint
 - b) Klinefelter syndrome
4. Explain the following statements: 5x4
 - a) Danger area of face.
 - b) Soleus is known as peripheral heart.
 - c) Foot drop after fracture neck fibula.
 - d) Monozygotic twins are identical.
 - e) Posterior crico-arytenoid muscle acts as safety muscle of Larynx

P.T.O.

5. Choose the correct option for each of the following:

10x1

- i) Paracentral lobule is located on.
 - a) Medial surface of the cerebral hemisphere
 - b) Superolateral surface of the cerebral hemisphere
 - c) Tentorial surface of cerebral hemisphere
 - d) Orbital surface of cerebral hemisphere

- ii) All the following structures lie deep to the fascial carpet of posterior triangle except.
 - a) Trunks of brachial plexus
 - b) Spinal accessory nerve
 - c) Third part of subclavian artery
 - d) Occipital artery

- iii) The following muscles form the boundaries of popliteal fossa except
 - a) Biceps femoris
 - b) Semitendinosus
 - c) Plantaris
 - d) Soleus

- iv) Pituitary tumour causes :
 - a) Bitemporal heteronymous Hemianopia (tunnel vision)
 - b) Homonymous Hemianopia
 - c) Quadrantic Anopia
 - d) Total blindness

- v) Detachment of retina following blow on eye:
 - a) Between rods and cones
 - b) Between bipolar neurons and ganglion cells,
 - c) Between neural layers and pigment layers
 - d) Any one of the above

- vi) All are sensory speech area except:
 - a) Area 22.
 - b) Area 39.
 - c) Area 40.
 - e) Area 44 & 45.

- vii) All muscles of soft palate are supplied by cranial root of accessory nerve except.
 - a) Palatopharyngeus
 - b) Palatoglossus
 - c) Levator veli palatini
 - d) Tensor veli palatini

P.T.O.

- viii) Frey syndrome is a clinical condition which results after healing of wound of face over.
- a) Parotid gland
 - b) Lacrimal gland
 - c) Submandibular gland
 - d) Sublingual gland
- ix) Which layer of scalp is regarded as the dangerous layer
- a) Subcutaneous layer
 - b) Aponeurotic layer
 - c) layer of loose areolar tissue
 - d) pericranium
- x) Which of the following nerves supplies structures derived from the 2nd pharyngeal arch ?
- a) Glossopharyngeal nerve
 - b) Recurrent laryngeal nerve
 - c) Trigeminal nerve
 - d) Facial nerve