

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

Subject: Anatomy
 Paper : II

Full Marks : 100
 Time : 3 hours

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

1. a) Name the different parts of the anterior triangle of neck mention the boundaries and contents of the carotid triangle. Describe the formation and branches of the ansa cervicalis. 3+7+5
 b) What are the commissural fibers of the brain. Name the parts and relations of the corpus callosum. What are forceps minor and forceps major ? 3+7+5

2. a) Mention the muscles, ligaments and movements of temporomandibular joint. 4+3+3
 b) Name the extraocular muscles of the eyeball. Describe the course and branches of the oculomotor nerve in the orbit. 6+4
 c) Briefly discuss the femoral artery under the following headings: 1+1+2+4+2
 i) Origin ii) Termination iii) Branches iv) Course and important relations
 v) Any one clinical importance

3. Write a short notes on the following: 2x5
 a) Bell's palsy
 b) Cavernous Sinus.

4. Explain the following statements: 5x4
 a) Injury to superior gluteal nerve shows positive trendelenburg's sign - Explain.
 b) Embryological basis of development of branchial cyst & branchial fistula.
 c) Optic disc is called blind spot.
 d) Diphtheria causes nasal regurgitation.
 e) Second intercostals nerve is an atypical intercostal nerve.

5. Choose the correct option for each of the following: 10x1
 i) All of the following muscles are supplied by the obturator nerve except:
 a) Pectineus
 b) Adductor magnus
 c) Sartorius
 d) Gracilis
 ii) All the following statements regarding tonsil are true except:
 a) Lined by non keratinized stratified squamous epithelium
 b) Lateral surface presents crypts.
 c) Intratonsillar cleft is present in upper pole.
 d) Capsule extends from upper to lower pole.

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- iii) Torticollis is caused by sustained contraction of:
- a) Digastric
 - b) Sternocleidomastoid
 - c) Omohyoid
 - d) Scalenus
- iv) Genu of internal capsule contains:
- a) Cortico spinal tract
 - b) Cortico nuclear tract
 - c) Optic radiation
 - d) Auditory radiation
- v) Taste buds are typically absent over which of the following papillae of tongue-
- a) Vallate
 - b) Fungiform
 - c) Filiform
 - d) Foliate
- vi) Ciliary ganglion is functionally related to which cranial nerve?
- a) Oculomotor nerve
 - b) Trochlear nerve
 - c) Trigeminal nerve
 - e) Abducent nerve
- vii) Artery of cerebral haemorrhage is:
- a) Charcot's artery
 - b) Lenticulostriate artery
 - c) Anterior cerebral artery
 - d) Anterior choroidal artery
- viii) The key muscle of Gluteal region is.
- a) Gluteal maximus
 - b) Gluteal medius
 - c) Gluteal minimus
 - d) Piriformis
- ix) All of the following are intracerebellar nuclei except
- a) Dentate nucleus
 - b) Fastigial nucleus
 - c) Globose nucleus
 - d) Red nucleus
- x) Which of the following is not a part of epithalamus-
- a) Pineal body
 - b) Geniculate body
 - c) Posterior commissure
 - d) Habenular commissure