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First M.B.B.S. (2019) Examination, Phase - I Winter - 2023

ANATOMY - I

Total Duration : Section A+B = 3 Hours

Section B Marks : 80

SECTION - B

- Instructions :**
- 1) Use black ball point pen only.
  - 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) All questions are compulsory.
  - 4) The number to the right indicates full marks.
  - 5) Draw diagrams wherever necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover the entire syllabus within the stipulated frame. This format is a mere guideline. Questions from the syllabus can be asked in any paper. Students can not claim that the Question is out of syllabus, as this format and distribution has been given only for the sake of placement.
  - 7) Use a common answer book for all sections.

- 2) **Brief Answer Question (Solve any 10 Out of 11) :-** [10 × 2 = 20]
- a) What is medial longitudinal fasciculus? Give its function
  - b) What is prenatal diagnosis? Give any two indications and techniques used for prenatal diagnosis
  - c) Give the anatomical basis of loss of taste sensation, after tonsillectomy.
  - d) Draw and label microscopic appearance of thyroid gland.
  - e) Enumerate any four structural abnormalities of chromosomes with examples.
  - f) Enlist the boundaries and contents of quadrangular space of the scapular region
  - g) What is ansa cervicalis? Enumerate muscles supplied by it.
  - h) Enumerate parts of lateral ventricle and give boundaries of the part in temporal lobe
  - i) What is decidua? Enumerate different parts of decidua
  - j) Enumerate the branches of Axillary artery
  - k) Give attachments, nerve supply and actions of Biceps brachii

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(8 × 5 = 40)

## 3) Short Answer Questions (Solve any 8 Out of 9):-

- a) What is Rima glottidis? Name the boundaries and muscles controlling the shape of rima glottidis under different anatomical & physiological conditions
- b) Describe microscopic structure of retina.
- c) Describe Transverse section of Midbrain at the level of superior colliculus.
- d) An Elderly woman with a history of fall on the outstretched hand developed localized pain and swelling on the dorsal aspect of the wrist. She came to the hospital when the movements of wrist became painful. Clinician observed a characteristic deformity of the hand and noted the upward shift of the styloid process of radius. X ray of the wrist confirmed Colles' fracture.
- What is Colles' fracture? [1]
  - Name the deformity seen. [1]
  - In which space is the radial styloid process palpable? [1]
  - Write down the boundaries and contents of that space. [2]
- e) Intraembryonic mesoderm.
- f) A 41 year old female brought to the hospital with complaints of high-grade fever, orbital swelling, altered mental state and severe pain in the eye and upper half of face. She had a history of sinusitis 10 days ago. On examination, there is periorbital edema, ptosis and extraocular muscle palsy, all on one side.
- Which dural venous sinus is affected? What is that condition called? [1]
  - Illustrate the relations of affected sinus with a neat well labeled diagram. [2]
  - Explain the anatomical basis of various signs and symptoms in this case. [2]
- g) Describe Cubital fossa.
- h) Turner Syndrome
- i) Cadaver as first teacher

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4) Long Answer Questions (Solve any 2 Out of 3) :-

[2 × 10 = 20]

- a) Describe origin, course, branches, distribution & clinical anatomy of Median nerve.

OR

- b) Classify the white fibers in the brain with examples. (2) Describe the internal capsule under the following headings.

i) Parts with relations [2]

ii) Fibers passing through different part [2]

iii) Blood supply [2]

iv) Clinical anatomy [2]

- c) Describe the Tongue under following heads

i) Morphology [2]

ii) Muscles of tongue [2]

iii) Nerve supply of tongue [2]

iv) Development [2]

v) Clinical anatomy [2]

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