

2019 Scheme

Q.P. Code: 112001

Reg. no.:

First Professional MBBS Degree Supplementary (SAY) Examinations May 2023

Human Anatomy - Paper II

Time: 3 Hours

Total Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers
- Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Long Essays

(2x15=30)

1. A 39-year-old female presents to the clinic for a routine health maintenance exam. The patient reports she is feeling nervous and anxious all the time with frequent palpitations, diarrhea and has been losing weight. She has also noticed a change in hair and fingernail. She frequently feels warm while others are cold or comfortable. On examination her heart rate is 110 beats per minute. She has a slight tremor and has increased reflexes in all extremities. A nontender thyroid enlargement is appreciated in the thyroid region. She was diagnosed with hyperthyroidism after biochemical tests. Based on your anatomical knowledge answer the following

- a) Parts and relations of thyroid gland.
- b) Blood supply of thyroid gland.
- c) Explain the embryological basis for possible abnormal locations of the thyroid gland.
- d) Microscopic structure of thyroid gland. (6+3+3+3)

2. Describe the inguinal canal under the following heading

- a) Boundaries and contents.
- b) Anatomical protective mechanisms for prevention of inguinal hernia.
- c) Anatomical basis of two types of inguinal hernia.
- d) What are the coverings of inguinal hernia. (6+4+2+3)

Short essays

(5x8=40)

3. Gross anatomy of cerebellum with its nuclei.
4. Describe ischio rectal fossa with clinical significance.
5. Microscopic structure of stomach with neat labelled diagram.
6. Portosystemic anastomosis with clinical significance.
7. Muscles of mastication.

(PTO)

Short answers

(4x4=16)

8. Clinical and microscopic anatomy of uterine tube.
9. Floor of fourth ventricle of brain.
10. Subdivisions and derivatives of neural tube.
11. Boundaries and clinical significance of pyriform fossa.

Draw a neat labeled diagram

(4)

12. Sulci and Gyri of superolateral surface of cerebral hemisphere.

Name the following

(10x1=10)

13. Name the dangerous layer of scalp.
14. Stapedius attached to this structure.
15. External jugular vein formed by.
16. Two derivatives of second pharyngeal arch cartilage.
17. Two cranial nerve nuclei in midbrain.
18. Two bones forming major part of nasal septum.
19. Nucleus receiving taste sensation.
20. Structure producing aqueous humor.
21. Two branches of lumbar plexus with root value.
22. Two muscles present in superficial perineal pouch.
