Batch 42, March 2019

Question Paper

Exam Date & Time: 06-Mar-2019 (02:00 PM - 04:30 PM)

MANIPAL ACADEMY OF HIGHER EDUCATION

MELAKA MANIPAL MEDICAL COLLEGE (MANIPAL CAMPUS)
MBBS PHASE - I STAGE - I DEGREE EXAMINATION - MARCH 2019
Wednesday, March 06, 2019
Anatomy [M1ANT]

ANATOMY - PART - II (ESSAY)

Section Duration: 120 mins
Max. Marks: 60

Answer all the questions.
Draw diagrams wherever appropriate

1. Classify the bones based on their size, shape and consistency. Give one example for each type of bone.

(5 marks)

2. A 37-year-old male was rushed to the trauma center of a hospital following a road traffic accident. Patient was complaining of severe pain in the left hip region. Surgeon noticed that patient's left lower limb was adducted, medially rotated and was looking shorter than his right lower limb. He also observed a painful mass in the lateral part of patient's gluteal region.
   2A. What is the diagnosis in the above case?
   2B. Mention the type, subtype and ligaments of the joint involved in the above case.
   2C. Mention the movements occurring at the joint involved in the above case

[1+ (0.5+0.5+1.5) +1.5 = 5 marks]

3. Mention the attachments, actions and nerve supply of biceps brachii muscle.

(3+1+1 = 5 marks)

4. Describe the structure of a mature (Graafian) follicle.

(5 marks)

5. Write a note on arterial circle of Willis.

(4 marks)

6. Describe the internal features of right ventricle of the heart.

(4 marks)

7. Write a note on bronchopulmonary segments.

(4 marks)

8. A 17-year-old boy was brought to the outpatient department. The boy had high fever and was not able to walk because of severe pain at right lower quadrant of his abdomen. He had vomited on the way to the hospital. Clinical examination revealed tenderness of McBurney's point.

8A. Name the diseased organ in the above case.

8B. Describe the microscopic anatomy of the diseased organ.

(1+3 = 4 marks)

9. Describe the anal canal under following headings:

9A. Internal features

9B. Arterial supply

9C. Sensory nerve supply

(2+1+1 = 4 marks)

10. Mention the formation, relations and arterial supply of the bile duct.

(1+2+1 = 4 marks)

11. A severe automobile accident resulted in the death of the driver. During autopsy, it was found that, the uncus of the temporal lobe had entered through the hiatus in the tentorium cerebelli (tentorial notch) compressing the midbrain.

11A. What are the cranial nerves which could be damaged in such a hernia of uncus into thetentorial notch?

11B. Mention the origin, course and distribution of any one of these cranial nerves.

[(1+(1+1+1) = 4 marks]

12A. Mention the parts of internal capsule.

12B. Mention the arteries supplying the internal capsule.

12C. Mention the fibres present in the part of internal capsule, which is situated between thalamus and lentiform nucleus.

(2+1+1 = 4 marks)

13. Describe the right suprarenal gland under the following headings.

13A. Anterior relations

13B. Arterial supply

13C. Venous drainage

13D. Development

(1+1+1+1 = 4 marks)

14. A 51-year-old woman complains of a bearing-down sensation in her womb and an increased frequency of urination and burning sensation during micturition. On examination, it is found that one of the pelvic organs was sagging down.

14A. What is the above condition called?

14B. Name the primary supports of the sagged organ.

14C. Mention the lymphatic drainage of the sagged organ.

(1+2+1 = 4 marks)

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