

MANIPAL UNIVERSITY

MBBS PHASE I STAGE I DEGREE EXAMINATION – AUGUST 2012

SUBJECT: ANATOMY – I (ESSAY)

Saturday, August 11, 2012

Time: 09:00 – 11:00 Hrs.

Max. Marks: 60

1. Describe the boundaries of axilla and name its contents.
(3+2 = 5 marks)

2. A student yawned widely during afternoon anatomy lecture class. To his dismay he could not close his mouth. His jaw was stuck.
 - 2A. Name the joint that was dislocated
 - 2B. Classify this joint and name the bones taking part in it
 - 2C. Name the movements occurring in this joint and the muscles responsible for each movement
(1+1½+2½ = 5 marks)

3. Explain the histology of the thin skin with a neat labeled diagram.
(5 marks)

4. Describe the formation of chorionic villi.
(5 marks)

5. Explain the origin, termination and relations of arch of aorta.
(½+½+3 = 4 marks)

6. A 45 years old man presented to the hospital with a severe chest pain and his echo cardiography revealed severe impairment of left ventricular function. His coronary angiography showed proximal occlusion of a branch of one of the coronary arteries which lead to the infarction of the anterior part of the interventricular septum.
 - 6A. Name the specific branch of the coronary artery occluded.
 - 6B. Name the coronary artery involved in this case and mention its course and distribution.
(½+3½ = 4 marks)

7. Explain the internal features of the nasopharynx.
(4 marks)

8. Name the surfaces, borders and parts of the stomach. Add a note on its blood supply and lymphatic drainage.
(1+1½+1½ = 4 marks)

9. Write a note on the greater omentum. (4 marks)
10. With the help of a diagram describe the histology of lymph node. (4 marks)
11. A 35 year old patient had sensory loss and paralysis of right leg. On thorough investigation it was concluded that the condition resulted from the thrombosis of the artery supplying the leg area of cerebral cortex.
- 11A. Thrombosis of which artery led to the above condition.
- 11B. Describe the origin, course and distribution of that artery. (1+3 = 4 marks)
12. Draw a neat labeled diagram of the transverse section of medulla oblongata at the level of sensory decussation. (4 marks)
13. A 35 year old woman had partial thyroidectomy for the treatment of thyrotoxicosis. During the operation, a ligature slipped off the right superior thyroid artery. To stop the haemorrhage, the surgeon blindly grabbed the artery with artery forceps. The following morning, the patient spoke with a husky voice.
- 13A. What is the reason for the huskiness of voice?
- 13B. Enumerate the structures related to the medial surface of the lobes of thyroid gland.
- 13C. Add a note on the development of thyroid gland. (1+1½+1½ = 4 marks)
14. Describe the relations, blood supply and lymphatic drainage of prostate. (2+1+1 = 4 marks)

