

MANIPAL UNIVERSITY**FIRST MBBS DEGREE EXAMINATION – SEPTEMBER 2016****SUBJECT: ANATOMY: PAPER – I (ESSAY)**

Thursday, September 08, 2016

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

- ✍ **All questions are compulsory.**
✍ **Illustrate your answers with diagrams and flow charts wherever appropriate.**

1. Describe the lateral wall of the nasal cavity under the following headings:

- 1A. Bones contributing and features
- 1B. Arterial supply
- 1C. Nerve supply
- 1D. Applied Anatomy

(4+2+2+2 = 10 marks)

2. A 35-year-old male is admitted to the emergency department with excruciating pain in his right shoulder and proximal arm. During physical examination the patient clutches the arm at the elbow with his opposite hand and is unable to move the injured limb. Radiographic studies show that the patient has a dislocation of the humerus at the glenohumeral joint.

- 2A. Which type of dislocation is common? Give reasons.
- 2B. Describe the shoulder joint under - ligaments, movements and muscles producing them.

(2+4+2+2 = 10 marks)

3. Write short notes on:

- 3A. Microscopic structure of submandibular salivary gland
- 3B. Second part of the axillary artery
- 3C. Anatomical snuff box
- 3D. Horner's syndrome
- 3E. Translocation
- 3F. Auditory tube
- 3G. Thyroid cartilage
- 3H. Microscopic structure of optic nerve
- 3I. Speech areas of the brain
- 3J. Draw a neat labelled diagram of cross section of medulla at the level of olive
- 3K. Floor of the fourth ventricle
- 3L. Yolk sac
- 3M. Notochord
- 3N. Corpus striatum
- 3O. Cerebellar nuclei

(4 marks × 15 = 60 marks)



MANIPAL UNIVERSITY

FIRST MBBS DEGREE EXAMINATION – SEPTEMBER 2016

SUBJECT: ANATOMY: PAPER – II (ESSAY)

Friday, September 09, 2016

Time: 10:20 – 13:00 Hours

Maximum Marks: 80

- ✍ All questions are compulsory. Write brief, clear, relevant and legible answers.
✍ Illustrate your answers with diagrams and flow charts wherever appropriate.

1. A 75 year old man had a one year history of difficulty and frequency of micturition. On per rectum examination, prostate gland was found to be enlarged. Based on the anatomy of this region answer the following questions:
- 1A. Give its coverings and structures passing through it.
1B. Describe the gross features and relations of the organ.
1C. Enumerate the lobes of the organ.

(3+5+2 = 10 marks)

2. Describe the longitudinal arches of foot under the following headings:

- 2A. Formation
2B. Factors responsible for maintenance of arches
2C. Applied aspects

(4+5+1 = 10 marks)

3. Write short notes on:

- 3A. Inguinal ligament
3B. Stomach bed
3C. Internal thoracic artery
3D. Microscopic structure of pancreas
3E. Development and congenital anomalies of uterus
3F. Porta hepatis
3G. Enumerate the derivatives of foregut, midgut and hindgut
3H. Differences in the gross features of jejunum and ileum
3I. Draw a neat labeled diagram of the mediastinal surface of left lung
3J. Interatrial septum
3K. Femoral sheath
3L. Microscopic structure of appendix
3M. Boundaries and contents of popliteal fossa
3N. Thoracic duct
3O. Sesamoid bones

(4 marks × 15 = 60 marks)

