

# Question Paper

Exam Date & Time: 10-JAN-2023 10:20 AM - 01:00 PM)



**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**FIRST MBBS DEGREE EXAMINATION – JANUARY 2023**  
**SUBJECT: ANATOMY - PAPER I**  
**(OLD REGULATION)**

Marks: 80

Duration: 160 mins.

**All questions are compulsory.**

**Illustrate your answers with diagrams and flow charts wherever appropriate.**

- 1) Describe the Parotid gland under the following headings:
  - 1A) Coverings (2)
  - 1B) Relations (4)
  - 1C) Nerve supply (2)
  - 1D) Microscopic structure (2)
  
- 2) A 55-year-old woman consults her physician, complaining of tingling and burning sensation over the palmar aspect of lateral 3½ digits of her right hand. The symptoms are most marked during night, keeping her awake. On examination, flattening of the outer half of the thenar eminence was noticed. On testing, there is loss of power and limitation of range of movements of abduction and opposition of the thumb, diminished sensation over the palmar aspect of the lateral 3½ digits. Answer the following questions:
  - 2A) Name the structure that would have been involved. (1)
  - 2B) Give its origin and formation (2)
  - 2C) Describe its course and distribution. (7)
  
- 3) **Write short notes on:**
  - 3A) Lymphatic drainage of tongue (4)
  - 3B) Corpus callosum (4)
  - 3C) Neat labelled diagram of cross section of pons at the level of facial colliculus (4)
  - 3D) Brachial artery (4)
  - 3E) Histology of palatine tonsil (4)
  - 3F) Cleavage (4)
  - 3G) Medial wall of the middle ear (4)
  - 3H) Down's syndrome (4)
  - 3I) Spermatogenesis (4)

- 3J) Boundaries and contents of interpeduncular fossa (4)
- 3K) Ansa cervicalis (4)
- 3L) Superior radioulnar joint (4)
- 3M) Speech areas of brain (4)
- 3N) Superior cerebellar peduncle (4)
- 3O) Histology of sensory ganglion (4)

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# Question Paper

Exam Date & Time: 12-Jan-2023 10:20 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST MBBS DEGREE EXAMINATION – JANUARY 2023

SUBJECT: ANATOMY - PAPER II

(OLD REGULATION)

Marks: 80

Duration: 160 mins.

**All questions are compulsory.**

**Write brief, clear, relevant and legible answers**

**Illustrate your answers with diagrams and flow-charts wherever appropriate.**

- 1) Describe ischioanal [ischioanal] fossa under the following headings:
  - 1A) Boundaries (4)
  - 1B) Recesses (1)
  - 1C) Contents (3)
  - 1D) Applied aspects (2)
  
- 2) A mother brought her baby to the paediatric OPD and gave a history that the baby develops a bluish skin tone especially while straining and crying. A paediatric cardiologist performed the physical examination and investigations that included blood tests, electrocardiogram and echocardiogram were done. The baby was diagnosed with Patent foramen ovale. Based on the anatomy of this region answer the following questions:
  - 2A) Name the septum involved in this defect. (1)
  - 2B) What are the chambers this septum separates? (1)
  - 2C) Describe the internal features of both these chambers (6)
  - 2D) Add a brief note on the development of this septum. (2)
  
- 3) **Write short notes on:**
  - 3A) Coeliac trunk (4)
  - 3B) Spermatic cord (4)
  - 3C) Popliteus (4)
  - 3D) Great saphenous vein- Course and tributaries (4)
  - 3E) Microscopic anatomy of spleen (4)
  - 3F) Meckel's diverticulum (4)
  - 3G) Epiploic foramen (4)
  - 3H) Perineal membrane in female (4)
  - 3I) Suprapleural membrane (4)
  - 3J) Thoracic part of oesophagus- course and constrictions (4)
  - 3K) Femoral canal (4)

- 3L) Course and branches of tibial nerve (4)
- 3M) Microscopic anatomy of ureter (4)
- 3N) Mesonephric duct (4)
- 3O) Structure of neuron (4)

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