

# Question Paper

Exam Date & Time: 06-Apr-2024 (02:15 PM - 05:00 PM)



**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**FIRST BDS DEGREE EXAMINATION - APRIL 2024**  
**SUBJECT: GENERAL ANATOMY INCLUDING EMBRYOLOGY AND HISTOLOGY**  
**(CASUAL BATCH)**

**Marks: 60**

**Duration: 165 mins.**

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

**All questions are compulsory.**

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

- 1) Describe larynx under the following headings:
  - 1A) Cavity of larynx (3)
  - 1B) Muscles - attachments and actions (5)
  - 1C) Motor and sensory nerve supply (2)
  
- 2) Describe the layers of the scalp. Add a note on its blood supply and nerve supply. (5+5 = 10)
  
- 3) **Write short notes on:**
  - 3A) Name the muscles of mastication. Give its action and nerve supply (4)
  - 3B) Illustrate and describe the microscopic structure of hyaline cartilage (4)
  - 3C) Describe the structure and different types of chromosomes (4)
  - 3D) Describe the tributaries and communications of cavernous sinus (4)
  - 3E) Illustrate and describe the microscopic structure of esophagus (4)
  - 3F) Describe fibrous joints (4)
  - 3G) Discuss the development of thyroid gland with a note on anomalies (4)
  - 3H) Describe the sensory and motor nerve supply of tongue (4)
  - 3I) Describe parotid duct. (4)
  - 3J) Describe the origin, course and branches of ophthalmic artery. (4)

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