

# Question Paper

Exam Date & Time: 11-Oct-2021 (02:15 PM - 05:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST BDS DEGREE EXAMINATION - OCTOBER 2021  
SUBJECT: GENERAL ANATOMY INCLUDING EMBRYOLOGY AND HISTOLOGY

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

Marks: 60

Duration: 165 mins.

Answer all the questions.

Essays:

1. Describe the parotid gland under the following headings:

- |     |                       |     |
|-----|-----------------------|-----|
| 1A) | External features.    | (2) |
| 1B) | Structures within it. | (3) |
| 1C) | Nerve supply.         | (3) |
| 1D) | Applied aspects.      | (2) |

2.) Describe the origin, insertion, nerve supply and actions of muscles of mastication. (10)

3. Write short notes on:

- |     |   |     |
|-----|---|-----|
| 3A) | Microscopic features of the tongue.                                     | (4) |
| 3B) | Features of conchae and meatuses of the lateral wall of nasal cavity.   | (4) |
| 3C) | Enumerate the tributaries and draining channels of the cavernous sinus. | (4) |
| 3D) | Origin, course and branches of facial artery.                           | (4) |
| 3E) | Formation, extent, contents and relations of carotid sheath.            | (4) |
| 3F) | Describe the boundaries and contents of digastric triangle.             | (4) |
| 3G) | Microscopic features of the thick skin.                                 | (4) |
| 3H) | Formation and fate of notochord.  | (4) |
| 3I) | Describe the fate of pharyngeal pouches.                                | (4) |
| 3J) | Describe the structure of a chromosome.                                 | (4) |

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