

MANIPAL UNIVERSITY**FIRST BDS DEGREE EXAMINATION – JULY 2016****SUBJECT: GENERAL ANATOMY INCLUDING EMBRYOLOGY AND HISTOLOGY (ESSAY)**

Monday, July 18, 2016

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

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

1. Describe the tongue under the following:

- 1A. Muscles with their actions
1B. Nerve supply
1C. Development

(5+3+2 = 10 marks)

2. Describe the boundaries and contents of the carotid triangle. Add a note on lingual artery.

(3+4+3 = 10 marks)

3. **Write short notes on:**

- 3A. Microscopic structure of mucus salivary gland
3B. Microscopic structure of ureter
3C. Chromosomes
3D. Development of upper lip and its anomalies
3E. Fertilization
3F. Cartilagenous joints
3G. Features in the lateral wall of nasal cavity
3H. Name the muscles of the soft palate with their nerve supply
3I. Ciliary ganglion
3J. Orbicularis Oculi

(4 marks × 10 = 40 marks)

