

MANIPAL UNIVERSITY**FIRST BDS DEGREE EXAMINATION – NOVEMBER 2013****SUBJECT: GENERAL ANATOMY INCLUDING EMBRYOLOGY & HISTOLOGY (ESSAY)
(NEW REGULATION)**

Friday, November 22, 2013

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 lateral wall of nose under the following headings:

- 1A. Bones taking part
- 1B. Features
- 1C. Nerve supply
- 1D. Arterial supply

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

2. Describe the temporomandibular joint under:

- 2A. Type and articular surfaces
- 2B. Ligaments
- 2C. Movements and muscles involved
- 2D. Applied aspects

(2+3+4+1 = 10 marks)

3. **Write short notes on:**

- 3A. Orbicularis oculi
- 3B. Microscopic structure of elastic artery
- 3C. Relations of hyoglossus muscle
- 3D. Palatine tonsil
- 3E. Oogenesis
- 3F. Periosteum
- 3G. Middle meningeal artery
- 3H. Down's syndrome
- 3I. Neural crest
- 3J. Microscopic structure of pituitary gland

(4×10 = 40 marks)

