

**MANIPAL UNIVERSITY****FIRST MBBS DEGREE EXAMINATION – AUGUST 2011****SUBJECT: ANATOMY: PAPER – I (ESSAY)**

Tuesday, August 09, 2011

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 40

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

1. Describe the boundaries and contents of digastric triangle. Add a note on development and nerve supply of digastric muscle.

(5+3 = 8 marks)

2. Draw neat labelled diagram of the sulci, gyri and functional areas on the superolateral surface of the cerebrum. Add a note on the arterial supply to this surface.

(6+2 = 8 marks)

3. **Write short notes on:**

- 3A. Coracoid process
- 3B. Deltoid muscle
- 3C. Superficial palmar arch
- 3D. Down's syndrome
- 3E. Implantation
- 3F. Blood supply of nasal septum
- 3G. Interior of larynx
- 3H. Carotid sheath

(3×8 = 24 marks)



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

1. Describe the relations of the right kidney. Add a note on its development.  
(6+2 = 8 marks)
2. Define bronchopulmonary segments; name the segments in each lung and discuss the applied aspects.  
(2+4+2 = 8 marks)
3. Write short notes on:
- 3A. Epiploic foramen
  - 3B. Perineal membrane
  - 3C. Interior of urinary bladder
  - 3D. Periosteum
  - 3E. Microscopic structure of duodenum
  - 3F. Menisci of knee joint
  - 3G. Flexor retinaculum of ankle
  - 3H. Femoral sheath

(3×8 = 24 marks)

