

**MANIPAL UNIVERSITY****FIRST MBBS DEGREE EXAMINATION – AUGUST 2012****SUBJECT: ANATOMY: PAPER – I (ESSAY)**

Friday, August 10, 2012

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 arterial supply and venous drainage of face. Give its applied aspects.

(4+3+1 = 8 marks)

2. Draw neat labelled diagrams of

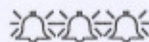
- 2A. Cross sections of spinal cord showing ascending and descending tracts.  
2B. Floor of IV ventricle.

(4+4 = 8 marks)

3. **Write short notes on:**

- 3A. Deep branch of ulnar nerve in hand.  
3B. First carpometacarpal joint  
3C. Surgical neck of humerus  
3D. Fertilization  
3E. Hyoid bone  
3F. Maxillary sinus  
3G. Sternocleidomastoid muscle  
3H. Barr body

(3×8 = 24 marks)



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## MANIPAL UNIVERSITY

FIRST MBBS DEGREE EXAMINATION – AUGUST 2012

SUBJECT: ANATOMY: PAPER – II (ESSAY)

Saturday, August 11, 2012

Time: 10:20 – 13:00 Hours

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 arterial supply and venous drainage of heart. Add a note on its applied aspects.  
(3+3+2 = 8 marks)
2. Describe the border and surfaces relations, blood supply and development of urinary bladder.  
(2+3+1+2 = 8 marks)
3. Write short notes on:
  - 3A. Epiploic foramen.
  - 3B. Profunda femoris artery.
  - 3C. Histology of ovary.
  - 3D. Spermatic cord.
  - 3E. Medial longitudinal arch of foot.
  - 3F. Periosteum.
  - 3G. Popliteus muscle.
  - 3H. Perineal body.

(3×8 = 24 marks)

