

**MANIPAL ACADEMY OF HIGHER EDUCATION**  
(Deemed University)

**FIRST MBBS DEGREE EXAMINATION**

**SUBJECT: ANATOMY– PAPER I**  
**Wednesday, 04 July 2001**

**Time available: 3 Hours**

**Maximum Marks: 50**

➔ **ILLUSTRATE YOUR ANSWERS WITH DIAGRAMS AND FLOW CHARTS  
WHEREVER APPROPRIATE**

➔ **WRITE BRIEF, CLEAR, RELEVANT AND LEGIBLE ANSWERS**

1. Describe the boundaries and contents of suboccipital triangle. Add a note its applied anatomy.  
(4 + 4 + 2 = 10 Marks)
  
2. Describe the parts, peduncles and connections, blood supply, applied anatomy of cerebellum.  
(2 + 4 + 2 + 2 = 10 Marks)
  
3. Describe briefly on:  
(4 x 3 = 12 Marks)
  - 3A. Superior sagittal sinus
  - 3B. Anastamosis around scapula
  - 3C. Notochord
  
4. Write short notes on:  
(3 x 6 = 18 Marks)
  - 4A. Parathyroid glands
  - 4B. Development of tongue
  - 4C. Supinator muscle
  - 4D. Clavipectoral fascia
  - 4E. Spermatogenesis
  - 4F. Histology of elastic cartilage



**MANIPAL ACADEMY OF HIGHER EDUCATION**  
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**FIRST MBBS DEGREE EXAMINATION**

**SUBJECT: ANATOMY– PAPER II**

**Thursday, 05 July 2001**

**Time available: 3 Hours**

**Maximum Marks: 50**

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➡ **ILLUSTRATE YOUR ANSWERS WITH DIAGRAMS AND FLOW CHARTS**

**WHEREVER APPROPRIATE**

➡ **WRITE BRIEF, CLEAR, RELEVANT AND LEGIBLE ANSWERS**

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1. Describe the uterus under following headings:

(2 + 5 + 1 + 2 = 10 Marks)

- 1A. Anatomical position
- 1B. Supports
- 1C. Development
- 1D. Applied anatomy

2. Describe the right atrium of heart under following headings:

(6 + 2 + 2 = 10 Marks)

- 2A. Interior
- 2B. Blood supply
- 2C. Development

3. Describe briefly on:

(4 x 3 = 12 Marks)

- 3A. Stomach bed
- 3B. Porto-caval anastomosis
- 3C. Subtalar joints

4. Write short notes on:

(3 x 6 = 18 Marks)

- 4A. Anterior relations of right kidney
- 4B. Linea alba
- 4C. II layer of sole
- 4D. Great saphenous vein
- 4E. Microscopic structure of trachea
- 4F. Microscopic structure of urinary bladder



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**FIRST MBBS DEGREE EXAMINATION**

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**Wednesday, December 05, 2001**

**Time available: 3 Hours**

**Maximum Marks: 50**

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- ➡ **ILLUSTRATE YOUR ANSWERS WITH DIAGRAMS AND FLOW CHARTS WHEREVER APPROPRIATE**
- ➡ **WRITE BRIEF, CLEAR, RELEVANT AND LEGIBLE ANSWERS**
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1. Describe the origin, course, branches, distribution and applied aspects of radial nerve.  
(2+2+2+2+2 = 10 Marks)
  
2. Describe the Fourth Ventricle. Draw a neat labelled diagram of the floor.  
(6+4 = 10 Marks)
  
3. Describe briefly on:  
(4 x 3 = 12 Marks)
  - 3A. Flexor retinaculum.
  - 3B. Circle of Willis.
  - 3C. Diaphysis.
  
4. Write short notes on:  
(3 x 6 = 18 Marks)
  - 4A. Deltoid muscle.
  - 4B. Calcarine sulcus.
  - 4C. Ansa Cervicalis.
  - 4D. Facial artery.
  - 4E. Microscopic structure of cardiac muscle.
  - 4F. Syncytio trophoblast.



**MANIPAL ACADEMY OF HIGHER EDUCATION**  
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**FIRST MBBS DEGREE EXAMINATION**

**SUBJECT: ANATOMY– PAPER II**  
**Thursday, December 06, 2001**

**Time available: 3 Hours**

**Maximum Marks: 50**

➔ **ILLUSTRATE YOUR ANSWERS WITH DIAGRAMS AND FLOW CHARTS**

**WHEREVER APPROPRIATE**

➔ **WRITE BRIEF, CLEAR, RELEVANT AND LEGIBLE ANSWERS**

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1. Describe the boundaries and contents of popliteal fossa. Add a note on popliteal artery.  
(3 + 4 + 3 = 10 Marks)
  
  2. Describe the urinary bladder under surfaces, borders, relations, nerve supply and development.  
(2 + 2 + 3 + 3 = 10 Marks)
  
  3. Describe briefly on:  
(4 x 3 = 12 Marks)
    - 3A. Indirect Inguinal hernia
    - 3B. Adductor Magnus.
    - 3C. Coronary sinus
  
  4. Write short notes on:  
(3 x 6 = 18 Marks)
    - 4A. Microvilli
    - 4B. Histology of Testis
    - 4C. Epiploic foramen
    - 4D. Broad ligament of uterus
    - 4E. Head of Pancreas
    - 4F. Cutaneous nerve supply of dorsum of foot

