

MANIPAL ACADEMY OF HIGHER EDUCATION
FIRST MBBS DEGREE EXAMINATION – JUNE 2021
SUBJECT: ANATOMY: PAPER – I (ESSAY)

Tuesday, June 15, 2021

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

✍ **All questions are compulsory.**

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

1. A 55 year old female visited the hospital complaining of inability to close her left eye, unable to raise her left eyebrow, difficulty in chewing and accumulation of food in the vestibule of mouth on the left side. She also complained of hyperacusis.

1A. Name the nerve involved to cause the above said symptoms.

1B. Describe the origin of the nerve involved

1C. Describe the course and distribution of that nerve

(1+2+7 = 10 marks)

2. Describe the basal ganglia under the following headings:

2A. Parts

2B. Relations

2C. Connections

2D. Applied aspects

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

3. **Write Short answers:**

3A. Lateral pterygoid muscle

3B. Superior thyroid artery

3C. Ansa cervicalis

3D. Floor of the 4th ventricle

3E. Crus cerebri

3F. Anastomosis around the scapula and its importance

3G. Anterior interosseus nerve

3H. Adductor pollicis muscle

3I. Cephalic vein

3J. Radio-ulnar joints

3K. Microscopic structure of spinal ganglion

3L. Histology of the thymus

3M. Primitive streak

3N. Fertilization

3O. Trisomy 21

(4 marks × 15 = 60 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
FIRST MBBS DEGREE EXAMINATION – JUNE 2021
SUBJECT: ANATOMY: PAPER – II (ESSAY)

Wednesday, June 16, 2021

Time: 10:20 – 13:00 Hours

Maximum Marks: 80

✍ **All questions are compulsory. Write brief, clear, relevant and legible answers.**

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

1. Describe the uterus under the following headings: parts, position, relations and supports.
(1+1+3+5 = 10 marks)

2. A 35-year old man complained of loss of sensation on the lateral & anterior aspects of left leg and the dorsum of foot excluding its medial and lateral margins, following the removal of cast for fracture of the upper end of left fibula. On physical examination he was unable to dorsiflex and evert the foot. Based on the anatomy of this region answer the following questions:

2A. What is the structure affected?

2B. Give the origin and course of the affected structure

2C. Describe the course & distribution of its branches

2D. Give the reason for retention of sensation on medial & lateral margins of foot

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

3. **Write short notes on:**

3A. Boundaries & contents of inguinal canal

3B. Derivatives of first pharyngeal arch

3C. Types of caecum

3D. Attachments of diaphragm

3E. Microscopic structure of gall bladder

3F. Pleural recesses

3G. Porta hepatis

3H. Relations of body of pancreas

3I. Formation & termination of superior vena cava

3J. Microscopic structure of testis

3K. Periosteum

3L. Contents of popliteal fossa

3M. Sternal angle

3N. Derivatives of primitive midgut

3O. Course and branches of femoral artery

(4 marks × 15 = 60 marks)

