

Question Paper

Exam Date & Time: 15-Mar-2023 10:20 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST MBBS DEGREE EXAMINATION – MARCH 2023

SUBJECT: ANATOMY - PAPER I

(OR - REPEATERS)

Marks: 80

Duration: 160 mins.

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

Illustrate your answers with diagrams and flow charts wherever appropriate.

1. An elderly man was hit terribly on his right shoulder by a speeding car as he was crossing the road. He was taken to the emergency department by the police where an X-ray examination of the affected region revealed inferior dislocation. Based on the regional anatomy answer the following:
 - 1A) Name the joint that would have been dislocated and mention its type. (2)
 - 1B) Name the articular surfaces of bones and the nerve endangered in this case. (3)
 - 1C) Name the movements of the joint and the muscles responsible for these movements. (5)
2. Describe the lateral wall of the nasal cavity under the following:
 - 2A) List the structures forming the wall. (2)
 - 2B) Features on the lateral wall. (5)
 - 2C) Blood supply. (3)
3. **Write short notes on:**
 - 3A) External jugular vein. (4)
 - 3B) Digastric muscle. (4)
 - 3C) Classify and list the dural venous sinuses. (4)
 - 3D) Draw a neat labelled diagram of cross section of the spinal cord showing the ascending and descending tracts. (4)
 - 3E) Features in the floor of fourth ventricle. (4)
 - 3F) Deltoid muscle. (4)
 - 3G) Corpus callosum. (4)
 - 3H) Flexor retinaculum in hand. (4)
 - 3I) Circle of Willis. (4)
 - 3J) Cerebellar peduncles. (4)
 - 3K) Describe the microscopic features of elastic cartilage. (4)
 - 3L) Describe the microscopic features of thymus. (4)
 - 3M) Morula. (4)
 - 3N) Implantation. (4)
 - 3O) Klinefilter syndrome. (4)

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Question Paper

Exam Date & Time: 17-Mar-2023 10:20 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST MBBS DEGREE EXAMINATION – MARCH 2023

SUBJECT: ANATOMY - PAPER II

(OR - REPEATERS)

Marks: 80

Duration: 160 mins.

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

Illustrate your answers with diagrams and flow charts wherever appropriate.

1. A 56-year-old mother of four children reported to a lady doctor of complaints of something coming out of her vagina that is causing uneasiness and discomfort since past 2 months. The attending doctor after examination confirmed prolapse of a pear shaped reproductive organ. Based on the anatomy of this region answer the following question.
 - 1A) Name the organ which is affected in this case. (1)
 - 1B) Describe the parts and position of this organ. (2)
 - 1C) List the supports of this viscera. (5)
 - 1D) Write about its blood supply. (2)

2. Describe the right atrium of the heart under the following:
 - 2A) External features. (2)
 - 2B) Interior of the right atrium. (6)
 - 2C) Tributaries. (2)

3. **Write short notes on:**
 - 3A) Lesser omentum. (4)
 - 3B) Difference between jejunum and ileum. (4)
 - 3C) Boundaries and contents of Inguinal canal. (4)
 - 3D) Interior of the urinary bladder. (4)
 - 3E) Adductor magnus muscle. (4)
 - 3F) Ligaments of the knee joint. (4)
 - 3G) Femoral nerve. (4)
 - 3H) Dorsalis pedis artery. (4)
 - 3I) Root of the lung. (4)
 - 3J) Sinuses of the pericardium. (4)
 - 3K) Describe the microscopic features of duodenum with the help of a neat labelled diagram. (4)
 - 3L) Draw a neat labelled diagram of the microscopic features of ureter. (4)
 - 3M) List the derivatives of mesonephric duct. (4)
 - 3N) Describe the development of interventricular septum and mention any one anomaly. (4)
 - 3O) Perisoteum. (4)

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