

TPCT'S
TERNA MEDICAL COLLEGE & HOSPITAL
1st MBBS (2024-25)
Second Internal Examination

Sub: - ANATOMY

DATE: - 16/04/2025

TIME: - 9.30am to 12.30 pm

MARKS: - 100

INSTRUCTIONS: - Write the name of exam, date and Roll No. on answer sheets.

Use BLACK BALL POINT Pen Only.

Candidate's signature on answer book is necessary.

Draw the diagrams wherever necessary.

SECTION - B

2. Write long answer question of the following.

Describe duodenum under following headings: - (12marks)

- | | |
|-------------------|-----|
| a. Gross features | (2) |
| b. Relations | (2) |
| c. Blood supply | (2) |
| d. Microanatomy | (2) |
| e. Development | (2) |
| f. Applied | (2) |

3. Short answer questions. (5x4 marks= 20 marks)

- i. A 49-year-old male patient was given an antibiotic injection intramuscular in left gluteal region. After three weeks, on examination, the muscles of the back of the thigh and leg were paralyzed and a foot drop was noticed which nerve is most likely to be injured in this patient (1) Give the root value of the nerve injured? (1) Which muscles are involved in this condition? (2)
- ii. Medial meniscus is susceptible to injury more frequently than lateral meniscus. Give reason.
- iii. Dangerous Area of face.
- iv. A 70-year-old patient with history of chronic bronchitis and constipation complained that he noticed a gradually increasing swelling in his right groin and often feels dragging and aching sensation at that site. On physical examination the doctor noticed a globular lump above the right pubic tubercle which expands on coughing. After manually reducing the swelling/lump, occluded the deep inguinal ring with his thumb and asked the patient to cough. The swelling reappeared medial to the thumb. A diagnosis of direct inguinal hernia was made. What is inguinal canal? Give boundaries. (2marks) Mention any 2 mechanisms to maintain the integrity of the inguinal canal. (2 marks)
- v. Varicocele is common on which side, Give reason. Write a note on venous drainage of testis.

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SECTION – C

4. Short Answer question – Any Four (4x5marks=20 marks)

- i. Injury to superior gluteal nerve shows positive Trendelenburg's sign? Describe anatomical basis of it.
- ii. Microanatomy of liver
- iii. Portocaval anastomosis
- iv. Development of interventricular septum and congenital anomalies associated with it.
- v. Embalming fluid composition(2marks) Describe role of doctor in community(3marks)

5. Short Answer question – Any Four (4 x7 marks=28marks)

- i. Explain layers of scalp with applied aspect.
- ii. Describe temporomandibular joint under -Type and articular surface (2 marks), Ligaments(2marks) Movements and muscles acting on it. (3 marks)
- iii. Boundaries and contents of ischiorectal fossa
- iv. Medial longitudinal arch
- v. Classify cartilages with examples. Give microscopic anatomy of any one of them.