



All India Institute of Medical Sciences, Kalyani
First Professional MBBS Examination 2021

Time: 3 Hrs.

Anatomy (Paper-I)

Marks: 100

INSTRUCTIONS:

- Answer all questions.
- Answer the questions in the same serial order strictly.
- Illustrate your answers with well labelled diagram wherever necessary.
- Answer each section in a separate answer book.

SECTION - A (50 MARKS)

Long answer question:

[5+2+3=10]

1. Describe the axilla under following headings:
 - a. Boundaries and contents
 - b. Cervico-axillary canal
 - c. Applied aspect

Write Short notes on:

[5x5=25]

2. Draw a well labelled diagram showing microanatomy of transverse section of compact bone.
3. Write down about the notochord formation and its derivatives that persist in postnatal period.
4. Briefly explain the basis of structural abnormalities of chromosome.
5. Briefly write about the boundaries and contents of popliteal fossa.
6. Draw a well labelled diagram showing the relations of hip joint.

Answer in brief:

[5x3=15]

7. Explain the anatomical basis of deformity found in condition named as 'apes thumb'.
8. Enumerate the structures passing through the adductor canal.
9. Explain the embryological basis of twins.
10. What are different types of epiphyses? Give examples of each type.
11. Differentiate between eccrine and apocrine sweat glands.



SECTION - B (50 MARKS)

Long answer question:

[2+4+4=10]

1. Describe the kidney under following headings:
 - a. The coverings of the kidney
 - b. Relations of the right kidney with the help of diagrams.
 - c. Embryological explanation for the congenital polycystic kidney and its clinical importance.

Write Short notes on:

[5x5=25]

2. Draw a well labelled diagram showing the microanatomy of duodenum.
3. Briefly write about gross and applied anatomy of prostate gland. **(3+2= 5)**
4. Write briefly about 'the mesentery'.
5. Differentiate between the pelvic peritoneum in males and females.
6. Give the brief account of supports of the uterus.

Answer in brief:

[5x3=15]

7. Enumerate layers of body wall pierced by the needle while taking liver biopsy.
8. Enumerate the structures related to stomach bed.
9. Why pectinate line is called 'watershed line'?
10. Embryological basis of Ectopia vesicae.
11. Tabulate the differences between male and female urethra.