

Subject : Anatomy  
Semester : I

Full Marks : 50  
Time : 2½ hrs.

*Use Separate answer script for each group*

*Attempt all questions. Draw suitable diagrams wherever necessary. The figures in the margin indicate full marks*

**Group - A**

- a) A man of 65 years complains of difficulty in micturition and occasional haematuria. On clinical examination and further investigations he was diagnosed to have malignancy of prostate. Give a brief account of lobes, capsule, glandular architecture of prostate and the role of its various drainage in bony metastasis. 3+3+3+3

or

A patient has reported with fracture of surgical neck of humerus : 2+5+5

- i) Which nerve is susceptible to the injury?
- ii) What is the origin and distribution of the nerve?
- iii) Mention the effects of injury of the nerve.

**Group - B**

Answer *any two* of the following :

- a) On inspection of a newborn male baby the right scrotal sac was found empty and was diagnosed as anomalies of descent of Testis. Write a brief note on descent of testis. Explain ectopic testis. 5+2
- b) Give an outline of lymphatic drainage of female breast. Explain peau d'orange. Malignancy of which quadrant is more dangerous and why? 4+1+1+1
- c) Give an account of the semi Lunar cartilages of the knee joint. Which cartilage is more prone to injury? Why the other cartilage is relatively immune to injury. 4+1+2

**Group - C**

Write notes on *any four* of the following :

4 x 3

- |                     |                             |                    |
|---------------------|-----------------------------|--------------------|
| a) Blastocyst.      | b) Transitional epithelium. | c) Downs syndrome. |
| d) Spring ligament. | e) Bile duct.               |                    |

**Group - D**

Explain anatomically the following statements :

4 x 3

- a) Ureteric colic causes radiating pain from loin to groin.
- b) Pectinate line in anal canal is known as watershed line.
- c) Lysosomes are known as 'suicidal bag' of cell.
- d) Polycystic kidney.