

- 1.(a) i) Discuss the properties and functions of osteous tissue. (8)
ii) Write a note on membrane permeability. (6)

OR

- (b) Explain the various parts of the following bones with neat diagrams (14)
(A) Coccyx (B) Thoracic (C) Humerus (D) Carpels

- 2.(a) i) What is a neuron? Explain the physiology of nerve impulse conduction. (8)
ii) Explain the composition and function of blood. (6)

OR

- (b) i) Explain the various parts and functions of central nervous system. (8)
ii) Define cardiac cycle. Explain the various events in a cardiac cycle. (6)

- 3.(a) i) Explain the gross anatomy of respiratory passages. (6)
ii) Explain the disorders of hypo and hyper secretion of (i) pituitary gland (ii) thyroid gland. (8)

OR

- (b) i) Discuss the physiology of alimentary canal with regard to gastric secretions and enzymes involved in digestion. (8)
ii) Explain the terms (i) respiratory volume (ii) vital capacity (iii) anoxia. (6)

- 4.(a) i) Explain the various parts, structure and functions of the kidney. (10)
ii) Draw a neat labelled diagram of eye. (4)

OR

- (b) i) Explain the physiology of hearing. (8)
ii) Discuss the physiology of urine formation. (6)

- 5.(a) i) Discuss the various procedures for family planning. (8)
ii) Explain the terms (A) Haemorrhage (B) Neoplasms (C) Thrombosis (6)

OR

- (b) i) Write on nutritional disorders associated with vitamin deficiency. (6)
ii) Discuss the pathological processes of inflammation and repair. (8)
