

- c) Macrophage cell
 (x) State the connective tissue that connects muscle to bone is called
 a) Ligament
 c) Nervous tissue
 (xi) Select Cartilage and bone are types of
 a) Muscular tissue
 c) Meristematic tissue
 (xii) State Haversian canals occur in
 a) Pubis
 c) Scapula
 (xiii) Choose the term _____ refers to production of blood cells in the _____ of adults
 a) Hemolysis; spleen
 c) Homeostasis; bone marrow
 (xiv) Choose who discovered blood groups?
 a) Thomas Cooley
 c) Camillo Golgi
 (xv) Describe the Portal system is present between
 a) Two veins
 c) Vein and artery
- d) Mast cells
 b) Tendon
 d) All of the above
 b) Connective tissue
 d) Epithelial tissue
 b) Clavicle
 d) Humerus
 b) Hemostasis; liver
 d) Hematopoiesis; bone marrow
 b) Karl Landsteiner
 d) Ernst Haecker
 b) Two arteries
 d) Two capillary plexus

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Explain Phagocytosis and Pinocytosis (3)
 3. Describe the role of intercostal muscles and diaphragm in process of respiration (3)
 4. Distinguish Asthma and COPD. (3)
 5. Develop an idea about Lung function test? (3)
 6. Establish the Protein digestion takes place in stomach. (3)

OR

Identify the role of FSH and LH in Ovulation. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. State the mechanism of respiration process. (5)
 8. Describe the mechanism of urine formation. (5)
 9. Describe the EM structure of plasma membrane with diagram. (5)
 10. Describe the basic structural properties of systemic circulation. (5)
 11. Discuss the process of Carbohydrate digestion in elementary canal. (5)
 12. Describe the role of hormones in regulation of menstrual cycle. (5)

OR

Discuss how O₂ gas transports from lungs to tissue in our body with suitable diagram. (5)
