

VIRTUAL ACADEMY

Test –Biology

Time: 2 Hours

Class-10th[E.M]

Total Marks-40

Part A: Multiple Choice Questions (1 mark each)

1. Which of the following is a life process?
a) Respiration b) Photosynthesis c) Reproduction d) All of the above
2. The structural and functional unit of the nervous system is:
a) Neuron b) Brain c) Spinal cord d) Nerve
3. Which organ is responsible for the process of photosynthesis in plants?
a) Root b) Stem c) Leaf d) Flower
4. Which of the following is not a part of the human excretory system?
a) Kidney b) Ureter c) Liver d) Bladder
5. The human heart is divided into how many chambers?
a) Two b) Three c) Four d) Five
6. The process by which plants lose water through small openings on their leaves is called:
a) Transpiration b) Respiration c) Photosynthesis d) Excretion
7. Which hormone is responsible for the fight or flight response in humans?
a) Insulin b) Thyroxine c) Adrenaline d) Growth hormone
8. What is the primary function of the large intestine in humans?
a) Digestion of food b) Absorption of water
c) Production of bile d) Secretion of digestive enzymes
9. In which part of the human body is bile stored?
a) Liver b) Gallbladder c) Stomach d) Pancreas

Part B: Short Answer Questions (2 marks each)

6. Describe the process of transpiration in plants.
7. What is a synapse? Describe its function.
8. What is the function of the cerebellum in the human brain?
9. What are the main components of blood?
10. What are villi? Describe their function in the small intestine.

Part C: Short Answer Questions (3 marks each)

11. Explain the process of excretion in humans.
12. What is reflex action? Explain with an example.
13. Explain how plants respond to external stimuli.

Part D: Long Answer Questions (4 marks each)

14. Describe the structure and function of the human heart.
15. Describe the structure and function of the human digestive system.
16. Describe the structure and function of the human brain.

ALL THE BEST