



**THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED**

**Q.1. Answer the following short questions. (15x2=30)**

- I. Differentiate between sensory and motor neuron
- II. Describe the location and function of Photoreceptors.
- III. Describe the complex camera eye?
- IV. Describe the difference between hormone and pheromone.
- V. Describe the gaseous exchange through gills.
- VI. Write a note on structure and functions of adrenal cortex.
- VII. Briefly describe the platelets.
- VIII. Describe the appendix.
- IX. Write a note on secretions of stomach.
- X. Describe, briefly, the role of ribosomes in cell
- XI. Differentiate between endocytosis and exocytosis
- XII. Describe the skin sensors of damaging stimuli
- XIII. Enlist the hormones released from anterior pituitary
- XIV. Differentiate between the serum and plasma
- XV. Describe the salivary glands of humans

**Q.2. Answer the following questions. (3x10=30)**

- I. Give an account of the nerve impulse transmission mechanism in a neuron.
- II. Discuss, very briefly, digestion in man with reference to stomach and small intestine
- III. Account, in detail, the hormones of adenohypophysis, in mammals.