



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

- i. Write about types of respiration?
- ii. Differentiate between Microevolution and Macroevolution?
- iii. What is Chemical Synapse?
- iv. Explain why there is only one functional egg produced during oogenesis?
- v. Do all arteries carry oxygen-rich blood and all veins carry oxygen-poor blood? Explain.
- vi. What are the three lines of defense that the body uses to protect itself from pathogens?
- vii. What is the lymphatic system and its importance?
- viii. What is the process of speciation?
- ix. Write about Sodium Potassium pump?
- x. Enlist the plant hormones that are essential for their growth and development?
- xi. Write about causes of Ozone depletion?
- xii. Name the levels of organization.
- xiii. What is Ganglia? Write its function.
- xiv. Define metamorphosis?
- xv. Write about importance of Environmental Conservation.

Q.2. Answer the following questions.

- 1 (a) Write in detail about methods of Environmental Conservation. 6
- (b) What would happen to this ecosystem if forest were destroyed? 4
- 2 (a) Write in detail about the Peripheral nervous system. 6
- (b) Explain Action potential with Muscle contraction. 4
- 3 (a) Write in detail about Homeostasis and negative feedback mechanism. 4
- (b) How the lymphatic system is related to the cardiovascular system? Explain. 6