

"Section - B"Marks: 32

Q-2. Write short answers to any eight (8) of the following parts. All parts carry equal marks:-

- (i) Differentiate between the terms "Respiration" and "Breathing"?
- (ii) Draw a labelled diagram of the structure of the "Human Kidney".
- (iii) What is the role of insulin and glucagon?
- (iv) How do reflex action work in human beings?
- (v) What are ligaments and tendons? What function do they perform?
- (vi) How can crossing over bring variations?
- (vii) Define food chain? Explain with examples?
- (viii) Write the characteristics of insect pollinated flowers?
- (ix) Outline the role of bacteria in the Nitrogen Cycle?
- (x) Write any four advantages of biotechnology in the field of agriculture?
- (xi) Define narcotics. Give examples.

"Section - C"Marks: 21

Note: Answer any three (3) questions. All questions carry equal marks:-

- Q-3. (a) Describe "Seed embryo" structure?
- (b) Define haemo dialysis. How is it performed?
- Q-4. (a) How are different types of arthritis caused? Write their treatment?
- (b) Describe three types of neuron on the basis of function?
- Q-5. (a) Write the sources of medicinal drugs.
- (b) Explain acid rain.
- Q-6. Define Mendel's law of segregation? Explain the law with the help of an example and chart.