

**CLASS : X**

**SUBJECT: BIOLOGY**

**HOLIDAY HOMEWORK**

**TOPIC: LIFE PROCESSES**

- Q1.** Why do herbivores have longer, small intestine than carnivores? **(1 marks)**
- Q2.** Write the balanced chemical equation for the process of photosynthesis.  
How photosynthesis occurs in desert plants? **(1 mark)**
- Q3.** In single celled organisms diffusion is sufficient to meet all their requirements of food, exchange of gases or removal of wastes but it is not in case of multicellular organisms. Explain the reason for this difference. **(2 marks)**
- Q4.** Draw a neat labeled diagram of human alimentary canal. **(2 marks)**
- Q5.** Explain the process of nutrition in Amoeba. **(2 marks)**
- Q6.** How do guard cells regulate the opening and closing of the stomata? **(2 marks)**
- Q7.** Explain exchange of gases in humans. **(3 marks)**
- Q8.** State the role of the following in human digestive system: **(3 marks)**
- (a) Digestive enzymes
  - (b) Hydrochloric acid (HCl)
  - (c) Villi
- Q9.** Draw a diagram of human respiratory system and label the following: **(3marks)**
- (a) Part where air is filtered by fine hairs and mucus
  - (b) Part which terminates in balloon like structures
  - (c) Part which separates chest cavity from abdominal cavity
  - (d) Part where exchange of gases takes place.
- Q10.** Draw a neat labeled diagram of opened and closed stomata. **(3marks)**