



TEST PAPER: BIOLOGY

Time: 50 Minutes

Class: 10th C.B.S.E.

Max. Marks: 30 Marks

Date: 4th April, 2018

Marking Scheme: Three questions carry 10 marks each. Each question has 3 subparts. Subparts (a) and (b) carry 3 marks each and subpart (c) carries 4 marks.

- Q.1.A. Define. 3
1. Nutrition.
 2. Digestion.
 3. Assimilation.
- B. 1
1. What is the need for nutrition in organisms? 1
 2. What is the role of pancreas digestion? 1
 3. What is the significance of emulsification of fats? 1
- C. a) Differentiate (One difference with an example each). 2
1. Prokaryotes and eukaryotes.
 2. Parasitic and saprophytic nutrition.
- b) Describe nutrition in an amoeba. 2
- Q.2.A. 2
1. Give reason why herbivores have longer small intestine while carnivores have shorter small intestine. 1
 2. How does tongue help in digestion?
- B. Fill in the blanks. 3
1. The _____ is the site of the complete digestion of carbohydrates, proteins and fats.
 2. The process of digestion converts the proteins to _____, complex carbohydrates into _____ and fats into _____ and _____.
 3. The exit of food from the stomach into the small intestine is regulated by the _____.
- C. Answer the following.
1. Why is diffusion insufficient to meet the oxygen requirements of multicellular organisms? 1
 2. Explain how stomata open and close. 1
 3. What actually happens during the process of photosynthesis? Note down the steps. 2
- Q.3.A. Name the following. 3
1. The green dots in the cells of a leaf.
 2. The carbohydrates which are not used immediately are stored this form by plants.
 3. Hair like structures that cover the entire body of a paramecium.
 4. Organ that absorbs water from the undigested food.
 5. A long tube extending from the mouth to the anus.
 6. An animal which feeds on live hosts.
- B. Pick the odd man out and give reason. 3
1. Molars, tongue, salivary glands, villi.
 2. HCl, mucus, trypsin, pepsin.
 3. Roots, CO₂, chlorophyll, water.
- C. Give one function each. 4
1. Bile juice.
 2. HCl.
 3. Saliva.
 4. Mucus.