

Sample paper 10th science TERM-2 (2021-22)

Time-2 hours

Total Marks-40

Section-1 (5 questions each carry 2 Marks)

1. What is the importance of pH in daily life?
2. What is the name of reaction between acid and base? Give one example.
3. What is the common name of Ethanol.? Write its formula.
4. State two ways to prevent the rusting of iron.
5. What happens at the synapse between two neurons?

Section-2 (6 questions each carry 3 Marks)

1. Why do acids not show acidic behavior in the absence of water?
2. What is hydrogenation? What is its industrial application?
3. What is the role of saliva in the digestion of food? What is the name of enzyme present in saliva?
4. What is geotropism? Name the part of plant which show positive and negative geotropism?
5. What are the changes seen in girls at the time of puberty?
6. How is the sex of the child determined in human beings?

Section-3 (3 questions with internal choice, each carry 4 Marks)

1. a). What is name of finger-like projections on the lining of the small intestine?
What is its function.?

b) What is the importance of platelets in blood?

Or

a) What are the differences between autotrophic nutrition and heterotrophic nutrition?

b) What are the differences between aerobic and anaerobic respiration?

2. Differentiate between metal and non-metal on the basis of their chemical properties

Or

What is ionic compound? Why ionic compound conduct electricity in aqueous solution or molten form only?

3. a) What is the importance of Variation?

b) What is Vegetative Propagation?

Or

a) How is the process of pollination different from fertilisation?

b) What are the changes seen in girls at the time of puberty?