PRISM WORLD

Std.: 9 (English) **Science 2** **Marks: 40**

Date: **Time: 2 hrs**

Chapter: 6 to 10

Q1 [A] **Multiple Choice Question** **(5)**

i) A teacher asked few students to prepare a presentation on some topics which software will they use.

a. Microsoft word b. Microsoft excel

c. Microsoft power point d. Microsoft access

ii) Many waste materials are generated through the various daily human activities. This is called ..... .

a. solid waste b. human waste

c. natural waste d. commercial waste

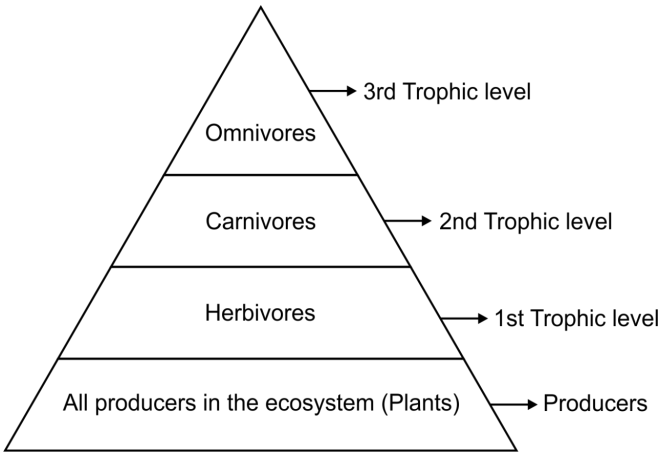
iii) Rhizobium grows in root nodules of the plant. What kind of relationship is seen between the plant and the bacteria?

a. mutualism b. commensalism c. symbiosis d. parasitism

iv) The presence or absence of organs is the first criterion for classification of ..... .

a. fungi b. plants c. protists d. animals

v)



Which organism is seen as a tertiary consumer in the given figure?

a. Zooplanktons b. Phytoplanktons c. Fishes d. Humans

B) **Answer the following question** **(5)**

1) **Find co-related terms**

1) Bacteria in milk : Lactobacilli ::Bacteria in food : .....

2) **State True or False**

2) All Cryptogams have a well-developed conducting system.

3) **Match the Pair**

3)

Column A	Column B
i. Urban waste	a. Lead, arsenic
ii. Mining waste	b. Strontium-10, Cerium-141
	c. Non-functional TV sets, cell phones
	d. Glass, rubber, carry bags, etc.

4) **Name the following**

4) Name the Any two types of pollution due to solid waste.

5) **Find the odd one out**

5) **Cotyledons**

Green peas, Onion, Moong, Banyan.

Q2 **Give scientific reason (Any two)** **(4)**

[A]

i) All organisms participate in Nitrogen cycle.

ii) Study of meteurology is significant.

iii) It necessary to safely store the pathogens of a disease against which vaccines are to be produced.

B) **Answer the following question (Any three)** **(6)**

1) **Complete the chart**

1) Complete the following table.

Classification	Source (Any 2)
Industrial waste	.....
Hazardous waste	.....
Farm/Garden waste	.....
Urban waste	.....

2) **Distinguish Between**

2) Distinguish between Biotic components and Abiotic components.

3) **Give examples**

3) Give any 4 sources of Radioactive wastes.

4) Correct and explain the given statement.

Plants in an ecosystem are called primary consumers.

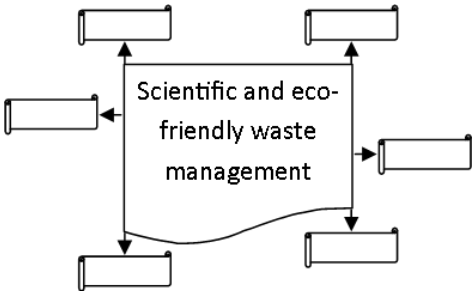
5) **Write Short Notes**

5) Saprotrophs

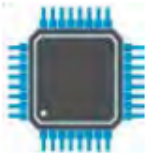
Q3 **Answer the following question (any five)** **(15)**

i) What will be the effect on an ecosystem if only one type of organism in it forms the food for several different consumers in that ecosystem?

ii) Complete the chart



iii) Answer the following questions related to given diagram.



a. What is the image shown above? Write its function.
b. What are its components?
c. Give an example.

iv) Nowadays, seeds are coated with rhizobial solution or powder before sowing. Explain

v) **Complete the paragraph:**
(photosynthesis, equilibrium, production, chemical reactions, respiration, synthesis, plants, micro-organisms)

Most micro-organisms use oxygen for respiration. Such microbes are called aerobes. Microbes which do not need oxygen are called anaerobes. Oxygen is important for the ..... of proteins, carbohydrates and fats. It is also used in various ..... . Ozone (O3) is produced from oxygen through various atmospheric processes.

Oxygen is released into the atmosphere by the biotic process of ..... and CO_2 through ..... . The ..... of oxygen and carbon dioxide gases in the atmosphere is maintained by .....

vi) The presence or absence of organs is one of the criterion for classification of plants. Explain.

vii) Answer the following questions related to the diagram

a. Name the organisms seen in the figure.

b. Describe the organisms.

c.State a few uses of this organisms.

4) Answer the following question (any five) **(5)**

i) Explain the differences between the different generations of computer. How did science contribute to these developments?

ii) Draw an energy pyramid of an ecosystem. Explain the pyramid and its trophic levels.