

PVG's  
**Muktangan English School & Jr. College, Pune – 9**  
**Terminal Examination (2024-2025)**  
**STANDARD - IX**

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**Subject: Science & Technology (Part II)**  
**Date: 15/10/2024**

**Marks: 40**  
**Time: 8.00 am- 10.00 am**

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**Note:**

- 1) All questions are compulsory
  - 2) Draw scientifically, technically correct labelled diagram wherever necessary.
  - 3) Start writing each main question on new page.
  - 4) Figures to the right indicate full marks.
  - 5) For Question No. 1 (A) MCQ marks will be given only for first attempt.
  - 6) The answer to every MCQ should be written as shown: Example- 1(A)
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**Q.1-A) Choose the correct alternative and write only the correct option. (5)**

- 1) Leguminous plants can produce more proteins due to \_\_\_\_\_.  
a) Rhizobium            b) Azetobactor            c) Clostridium            d) Yeast
  
- 2) In pteridophytes, asexual reproduction occurs by \_\_\_\_\_.  
a) Zygote    b) Spore            c) Fission            d) Budding
  
- 3) Plants in an ecosystem are called \_\_\_\_\_.  
a) Primary consumers            b) Producers            c) Secondary consumers  
d) Mixed consumers
  
- 4) Left over food, vegetables, peeling of fruits are included in \_\_\_\_\_ waste.  
a) Harmful            b) Industrial            c) Domestic            d) Urhan
  
- 5) \_\_\_\_\_ is the place for storing data obtained from the input and also the generated solution or answer by the computer.  
a) Operating system            b) Input unit            c) Output unit            d) Memory

**Q.1-B) Answer the following questions. (5)**

- 1) What is meteorology?
- 2) State whether true or false.  
Microbes which do not need oxygen are called anaerobes.
- 3) Identify the odd word out  
Pneumonia, Diptheria, Chicken pox, Cholera
- 4) Name the following  
Establishments where various climatic factors are recorded.
- 5) Write the correct Co-relation  
Penicillium : Production of Antibiotics : : \_\_\_\_\_ : Bakery products

**Q.2-A) Give scientific reason of the following. (Any 2) (4)**

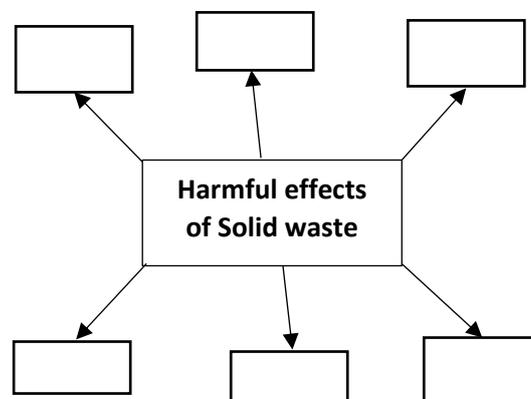
- 1) Foam accumulates on the surface of dal kept for a long time in summer.
- 2) Decomposer play crucial role in food chain.
- 3) Energy flow in an ecosystem is 'one way'.

**Q.2-B) Answer the following questions (Any 3) (6)**

- 1) Write any four characteristics of Gymnosperms.
- 2) Distinguish between Degradable and non-degradable waste.
- 3) Explain two main components of computers.
- 4) The group of plants belonging to which division is called amphibians of the plant kingdom? Why?
- 5) Which are the 3R 'mantras'? Write the sources of e-waste.

**Q.3 Answer the following questions (Any 5) (15)**

- 1) Explain ABC of Life and Rescucitation.
- 2) Which vaccines are given to infants? Why?
- 3) Draw a neat and well labelled diagram of Spirogyra.
- 4) Explain two types of antibiotics with examples.
- 5) How does a computer work?
- 6) Explain the inter-relationship between food chain and food web.
- 7) Redraw and complete the following chart by writing harmful effects of solid waste.



- 8) Explain the carbon cycle.

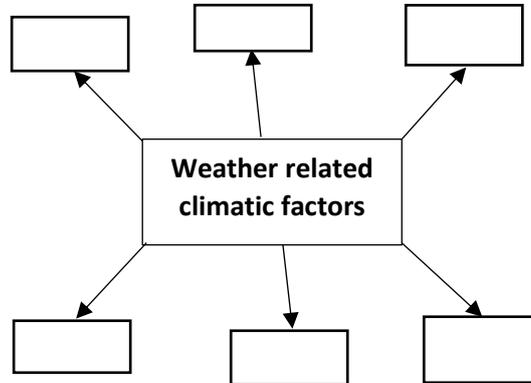
**Q.4- Answer the following questions. (Any 1)**

**(5)**

1) a) Explain the RICE remedy.

b) For which type of injuries the RICE remedy should be applied?

2) a) Complete the following chart of weather related / Climatic factor.



b) Explain the difference between weather and climate.

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