

**ATOMIC ENERGY CENTRAL SCHOOL - 3**  
ANUSHAKTINAGAR, MUMBAI - 400094  
PERIODIC TEST- 1, EXAMINATION 2024-2025

**CLASS - 7**  
**TIME- 1 hr 30 min**

**SUBJECT- SCIENCE**  
**MARKS - 40**

**General Instructions:**

The question paper consists of five sections.

1. Section A contains 8 **Multiple Choice questions** of 1 mark each.
2. Section B contains 3 questions of **Very Short Answer question (VSA)** of 2 mark each.
3. Section C contains 4 questions of **Short Answer question (SA I)** of 3 marks each.
4. Section D contains 1 question of **Case Based question** of 4 marks.
5. Section E contains 2 questions of **Long Answer question (LA)** of 5 mark each
6. All questions are compulsory.
7. Wherever necessary, neat and properly labeled diagrams should be draw

**SECTION -A**

**I. Choose and write the correct answer from the questions given below: (1x8 =8M)**

- 1) Which of the following raw material is available in the air for photosynthesis?  
a) Oxygen    b) carbon dioxide    c) Nitrogen    d) Hydrogen
- 2) The normal temperature of human body is  
a) 35°C    b) 37°C    c) 42°C    d) 40°C
- 3) Yeast, mushroom and bread- mould are  
a) autotrophs    b) insectivorous    c) saprophytic    d) parasite
- 4) Which of the following is the most appropriate liquid for thermometer?  
a) Water    b) coloured water    c) vinegar    d) mercury
- 5) The removal of faeces through the anus from time to time is called  
a) rumination    b) micturition    c) ingestion    d) egestion
- 6) For this question two statements are given—one labelled **Assertion (A)** and the other labelled **Reason (R)**. Select the correct answer to these questions from the **codes (a), (b), (c) and (d)** as given below.  
(a) **Both A and R are true, and R is the correct explanation of the assertion**  
(b) **Both A and R are true, but R is not the correct explanation of the assertion.**  
(c) **A is true, but R is false.**  
(d) **A is false, but R is true.**

**Assertion (A) :** A clinical thermometer has a kink

**Reason (R) :** It prevents mercury level from falling on its own.

7) Two organisms are good friends and live together and help each other to survive. One provides shelter, water and nutrients while the other prepares and provides food. Such an association is called

- a) Saprophyte    b) parasite    c) autotroph    d) symbiosis

- 8) The false feet of Amoeba are used for
- |                                |                        |
|--------------------------------|------------------------|
| a) movement only               | b) capturing food only |
| c) capturing food and movement | d) exchange of gases   |

**SECTION -B (2x3= 6M )**

9. Explain the process of digestion of food in stomach.  
10. Explain the process of rumination ?  
11. What are villi? What is their location and functions ?

**SECTION-C (3X4=12M)**

12. What is the action of saliva on food? Explain with an activity.  
13. Write three precautions that should be taken while using a clinical thermometer.  
14. Where is the bile produced ? which component of the food does it digest ?  
15. Differentiate between the Conductors and Insulators. Write two examples of each.

**SECTION -D (4M)**

16. In a birthday party Ram filled his plate with oily and sugary food. His elder sister Sarita on seeing this interrupted him. She told him that it is not good to eat too much of this food . She asked him to share that plate with his friends and suggested to include some vegetables and salad also.
- (a) Why eating oily and sugary food are not good for health ?  
(b) What is the effect of sugary food on our teeth ? How we can prevent it?  
(c) Why we should eat green vegetables and salad in our meal ? (1+2+1)

**SECTION -E (2X5= 10M)**

17. Explain feeding and digestion in Amoeba with a labelled diagram.  
18. What is photosynthesis ? Draw a schematic diagram to show photosynthesis.
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