

SATISH CHANDRA MEMORIAL SCHOOL
PERIODIC TEST – I / PRE MID EXAMINATION 2026-27
CLASS V
ENVIRONMENTAL SCIENCE

Time allowed: 1 Hr 30 Minutes

Maximum marks: 40

- Section A: Questions 1 to 20: Multiple Choice Questions containing 1 mark each.
Section B: Questions 21 to 25 are Case Based Questions containing 1 mark each.
Section C: Questions 26 to 30 containing 1 mark each.
Section D: Questions 31 to 33 containing 2 marks each.
Section E: Question 34 containing 4 marks.

SECTION A

Choose and write the correct option:

1. Water stored beneath the Earth's surface is called _____.

- a. Surface water
- b. Groundwater
- c. Seawater
- d. Rainwater

2. Two fields are next to a river. Field A uses organic manure, while Field B uses large amounts of chemical fertilisers. After a heavy rain, the river water near Field B develops a thick, choking "green blanket" on the surface. What is the primary cause of this?

- a. The rain washed away all the fish, leaving only plants behind.
- b. The chemical fertilisers washed into the river, causing rapid overgrowth of algae and aquatic plants.
- c. The river stopped flowing near Field B because of the mud.
- d. Organic manure blocks sunlight, but chemical fertilisers create clean water.

3. Arrange the following from largest to smallest water storage on Earth:

- 1. Glaciers
- 2. Oceans
- 3. Rivers
- 4. Groundwater

- a. 2, 1, 4, 3
- b. 1, 2, 4, 3
- c. 2, 4, 1, 3
- d. 4, 2, 1, 3

4. Pickles are commonly preserved using:

- a. Salt and oil
- b. Water only
- c. Freezing
- d. Boiling only



5. A packet of chips remains fresh for months because it is sealed and contains very little moisture.



6. Human activities heavily impact the life of a river. Which of the following setups would cause the most direct harm to the freshwater ecosystem of a river?

- Setting up an ecotourism camp where visitors look at birds without harming them.
- Building rainwater harvesting pits in nearby villages.
- Directing untreated hot factory wastewater and city sewage drains straight into the river stream.
- Planting a thick row of trees along the river banks to prevent soil erosion.

7. Identify from the following scenarios which describes the least effective condition for groundwater recharge in an urban area?

- A municipal park featuring a large, unpaved green lawn.
- An industrial zone covered entirely by concrete roads and brick pavements.
- A residential neighbourhood with dedicated gravel soak pits and open dirt paths.
- A botanical garden with extensive soil layers covered by trees and vegetation.

8. Name the unique Indian river originates in the Aravalli Range of Rajasthan but does not drain into any sea or ocean?

- Ganga River
- Luni River
- Narmada River
- Yamuna River

9. Among the following mango items, find the odd one out based on its inability to be stored and enjoyed for a long duration?

- Mango Pickle
- Aam Papad (Mamidi Tandira)
- Mango Shake
- Mango Jam

10. Select the historical or geographical nickname for the Godavari River.

- Dakshin Ganga
- Sorrow of Bengal
- Vidha Yamuna
- Lifeline of Gujarat

11. Which popular Indian spice motivated Vasco da Gama to cross oceans to collect it?

- Turmeric
- Cardamom
- Cumin
- Black pepper

12. State the name of the ocean or sea where the Godavari River finally ends its journey.

- Arabian Sea
- Indian Ocean
- Bay of Bengal
- Pacific Ocean

13. How is food preserved in factories to protect it from microbial contamination?

- In open wooden baskets
- In airtight cans and packaging
- By drying under the direct sun
- In cloth bags

14. Choose the correct habit advised by dentists to maintain good oral hygiene:

- Gulping food quickly
- Eating more sweets
- Brushing your mouth after eating
- Brushing only once a week

15. Afreen and Jyoti saw a frog sitting on top of a floating lotus leaf. What special feature helps the lotus leaf float so well on water without sinking?

- a. It has a very heavy and thick stem.
- b. It has large air spaces inside its body and a waxy, water-resistant surface.
- c. It drinks up all the water around it to stay dry.
- d. Its roots pull it up toward the sun.

16. Humans have lungs for breathing. Which organ in fish performs the same job?

- a. Heart
- b. Stomach
- c. Gills
- d. Scales

17. Assertion: Microbes are always harmful organisms that only spoil our food.

Reason : Some microbes help us in making curd and digesting our food.

- a. Both Assertion and Reason are true, and Reason is the correct explanation of Assertion.
- b. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion.
- c. Assertion is true, but Reason is false.
- d. Assertion is false, but Reason is true

18. Assertion: Local mangoes taste very fresh compared to fruits brought from far-away places.

Reason: Local fruits do not have to travel long distances to reach us, so they remain fresh.

- a. Both Assertion and Reason are true, and Reason is the correct explanation of Assertion.
- b. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion.
- c. Assertion is true, but Reason is false.
- d. Assertion is false, but Reason is true

19. Assertion: Large crowds of people gather at places like Nashik to take a dip in the river.

Reason: Devotees visit the river to participate in special spiritual events like the Godavari Pushkaram.

- a. Both Assertion and Reason are true, and Reason is the correct explanation of Assertion.
- b. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion.
- c. Assertion is true, but Reason is false.
- d. Assertion is false, but Reason is true

20. Assertion: Water hyacinth covers large areas of a pond very quickly.

Reason : Water hyacinth is a rooted floating and slow growing plant.

- a. Both Assertion and Reason are true, and Reason is the correct explanation of Assertion.
- b. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion.
- c. Assertion is true, but Reason is false.
- d. Assertion is false, but Reason is true

SECTION B

Read the given case study and answer the following question below:

Case study 1

Once upon a time in a dusty town named Maru, water was more precious than gold. The river had dried up, and the wells were empty. Every day, children and parents stood in long lines under the blazing sun, waiting for water trucks that rarely arrived. One morning, a bright blue machine appeared in the village square. The village elder, Asha, gathered everyone around. She held up a small plastic card. "This machine holds something valuable," Asha explained. "It holds life."



21. Look at the machine shown in the image. What is its main purpose?
- To withdraw paper money like cash
 - To provide clean drinking water using coins or cards
 - To wash clothes using automated cycles
 - To purchase packaged snacks and cold drinks
22. How do machines like the one in the picture help our environment and community?
- They waste extra water on the roads.
 - They help people use water wisely and prevent waste.
 - They make people travel to other cities for water.
 - They are only used to decorate public places.
23. Which national initiative works to manage water properly across India, as mentioned alongside this setup?
- The National Space Mission
 - The National Water Mission
 - The Digital India Mission
 - The National Clean Air Mission
24. Identify the machine shown in the above picture ?
- A water truck
 - A new well
 - A Water ATM
 - A community garden
25. The most responsible action to take if you notice a dripping tap in your school or home?
- Leave it for the maintenance staff to find eventually.
 - Place a bucket underneath and ignore the leak.
 - Fix it immediately or report it to an adult for repair.
 - Put a piece of tape over it so you do not hear it

26. A dairy farmer preserves butter by heating it to remove water and milk solids to increase its shelf life. After this preservation process, what is the final product obtained from butter?

SECTION -C



27. Look at the picture and answer the following :

(a) Name the method of food preservation being shown.

(b) Name a food item that can be preserved by using this method.

28. During rainy season rainwater collects and replenish water bodies. Name any two such sources of fresh water that are replenished by rain water.

29. Name the season when non-perennial rivers often lose most of their water and sometimes dry up completely.

30. Classify the following substances into soluble and insoluble in water:

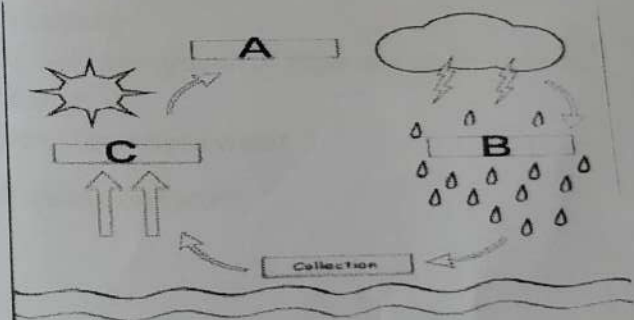
sugar, sand, kerosene, and glucose.

SECTION -D

31. Look at the picture and answer the following :

(a) Identify the process represented by the letter A and B .

(b) Give one real life example where you can observe the process represented by the letter C in the diagram.



32. Ravi forgot to keep his food in the fridge. After two days, he saw coloured patches on the food and it smelled bad.

a) Name the microorganism that caused this condition.

b) Name one helpful microorganism.

33. Write any two flood safety precautions that should be taken during a flood.

SECTION -E

34. (a) Draw a neat and labelled diagram showing the different types of human teeth. (2+2)

(b) Also write function of each type of tooth.