

O. P. JINDAL SCHOOL, SAVITRI NAGAR
Annual Examination (2025 - 26)

Class/Sec – VI / ____
 Subject – Science
 Name - _____

F.M. 80
 Time- 3 hours
 Roll No. _____

General Instructions – Fifteen minutes extra will be given for reading the Question Paper.

1. This Question paper comprises of 5 sections A, B, C, D, E. There are 24 questions in all.
2. Section A, Q1 comprises of 12 MCQ type questions and each carries 1 mark.
3. Section B, Q2 & Q3 are of case-based type questions, carrying 4 marks each, Q4 is of Assertion/Reason type question and carrying 2 marks.
5. Section C, Q5 to Q12 are very short-answer type questions and each carries 2 marks.
6. Section D, Q13 to Q21 are short-answer type questions and each carries 3 marks.
7. Section E, Q22 to Q24 are long-answer type questions and each carries 5 marks.

SECTION – A

Q1. Choose the correct option.

(1x12=12)

- i. What is the boiling point of water on the Fahrenheit scale?
 a. 273.15 °F b. 270 °F c. 212 °F d. 100 °F
- ii. The hotness or coldness of a system is determined by its
 a. Degree C b. Temperature c. Degree F d. Kelvin
- iii. It flows and take the shape of the container.
 a. Oxygen b. Carbon dioxide c. Nitrogen d. Water
- iv. A solid changes into its liquid form is called
 a. Melting b. Freezing c. Evaporation d. Cooling
- v. The early stage of a mosquito disrupted to
 a. Adult b. Larva c. Pupa d. Cocoon
- vi. Root : Water :: Shoot : _____.
 a. Sunlight b. Soil c. Water d. Tree
- vii. Which of these is not a source of water?
 a. Rain b. Pond c. Glacier d. Forest
- viii. Air pollution can be reduced by
 a. Deforestation b. Using bicycles c. Afforestation d. Both b & c
- ix. Birds fluff out their feathers in cold, is a feature of
 a. Reproducing b. Growth c. Responding d. Excretion
- x. Which planet is called evening star?
 a. Venus b. Mars c. Jupiter d. Saturn

xi. Which celestial body causes tides on Earth?

- a. Mars b. Moon c. Orion d. Scorpius

xii. This star is used for navigation.

- a. Sirius b. Pole star c. Sun d. Titan

SECTION – B

Q2. Case-based questions. Read the paragraph and choose the right answer.

(1x4=4)

Temperature is a crucial aspect of both daily life and scientific experiments. The human body maintains a normal temperature of around 37.0°C , though this can slightly vary from person to person and can be influenced by factors such as time of day and physical activity. Clinical thermometers, which are used to measure body temperature, usually have a scale from 35°C – 42°C . They come in various forms, including mercury and digital types. Mercury thermometers are traditional and provide a visible reading on a glass scale, while digital thermometers use electronic sensors to display temperature. Laboratory thermometers, on the other hand, have a much broader temperature range, typically from -10°C – 110°C , and are used for measuring temperatures in scientific research and experiments. The choice of thermometer depends on the specific application: Clinical thermometers for medical use and laboratory thermometers for scientific measurements.

i. Which of the following factors can influence a person's body temperature?

- a. Time of day b. Physical activity c. Illness d. All of the above

ii. What is the primary difference between clinical and laboratory thermometers?

- a. Temperature range b. Their shape c. Their colour d. Their accuracy

iii. Which type of thermometer uses a glass scale to display temperature?

- a. Clinical b. Laboratory c. Digital d. Both a and b

iv. Clinical thermometer mainly is made for

- a. Medical uses b. Scientific uses c. Hot water test d. Laboratory uses

Q3. Case-based questions. Read the paragraph and choose the right answer.

(1x4=4)

Plants need water to grow. Plants use a part of this water to prepare their food and retain some of it in their different parts. Remaining part of this water is released by the plants into air, as water vapour through the process of transpiration. Water vapour enters the air through the processes of evaporation and Transpiration. Take a glass half filled with water. Wipe the glass from the outside with a clean piece of cloth. Add some ice into the water. Wait for one or two minutes. Ice starts melting in water. Observe the changes that take place on the outer surface of the glass. You'll notice water drops appear on the outer side of the glass. The cold Surface of the glass containing iced water, cools the air around it, and the water vapour of the air condenses on the surface of the glass.

i. Water droplets enter the air through a processes of

- a. Transpiration b. Condensation. c. Precipitation d. Absorption

ii. The changes that take place on the outer surface of the glass when you add ice into it.

- a. Water droplets outer side of glass b. Ice melts in water
c. Water converts into ice d. Both a and b

- iii. The processes of conversion of water into its gaseous form is called
a. Decantation b. Evaporation c. Sedimentation d. Rainfall
- iv. What are the tiny drops of water, formed by the condensation of vapours present in air?
a. Droplets b. Vapour c. Ice cube d. Water

Q4. In the questions below are two statements labelled as Assertion (A) and Reason (R). In the context of the questions which of the following is correct? (1x2=2)

- i. **Assertion (A):** Threshing is the method of separating husk from grains with the help of wind.
Reason (R): Winnowing is done to separate husk from various types of grains.
- a. Both A & R are true, and R is the correct explanation of A.
b. Both A & R are true, but R is NOT the correct explanation of A.
c. A is true but R is false.
d. A is false but R is true.
- ii. **Assertion (A):** Sieving of wheat flour is a process of separating fine particles from big ones.
Reason (R): During sieving, the useful roughage is lost from the flour.
- a. Both A and R are true and R is the correct explanation of A.
b. Both A and R are true but R is not the correct explanation of A.
c. A is true but R is false.
d. A is false but R is true.

Answer these questions. (Very short-answer type questions)

(2x8=16)

- Q5. Write any two precautions to be taken while using a clinical thermometer.
- Q6. Why is laboratory thermometer not used to measure our body temperature.
OR
Why do small children have slightly higher body temperature as compared to adults?
- Q7. Write four uses of water.
- Q8. Draw two ways to show 'water is our responsibilities before it is our right'.
- Q9. Can you relate the presence of nasal hair to any separation process? Explain.
OR
Explain the process of sedimentation and decantation.
- Q10. Write any two differences in life-cycles of plants and animals.
- Q11. Draw life-cycle of a mosquito.
- Q12. Write four properties of air.
OR
What are consequences of cutting forests?

Answer these questions. (Short-answer type questions)

(3x9=27)

- Q13. i. Write in °F, the normal body temperature in an adult human.
ii. Convert 15°C into °F and Kelvin.

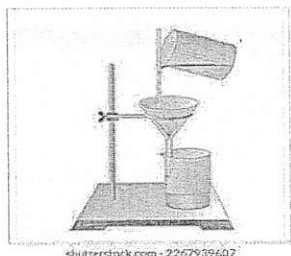
Q14. Draw a diagram to show conversion of states of water
OR

Write two properties each of solid, liquid and gas.

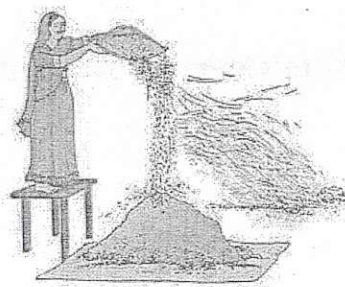
Q15. How can you separate a mixture of salt, sawdust and potatoes?

Q16. Describe the processes of separation given below:

i.



ii.



Q17. Draw and label the life-cycle of a frog.
OR

Draw a diagram to show the growth of root and shoot after one week of planting seeds.

Q18. Write any three movements shown by plants.

Q19. Explain -

- i. Rainwater harvesting
- ii. Water pollution
- iii. Formation of soil

OR

Write any three activities where we use natural resources. How to reduce their use?

Q20. Write three differences between a star and a planet.

- Q21. i. Why does sound not travel on the moon?
ii. What do you mean by light pollution?

Answer these questions. (Long-answer type questions)

(5x3=15)

- Q22. i. Fans move air around and create a cooling sensation. Fans also dry wet clothes. Normally, when water evaporates, it requires heat. Explain the term.
ii. What does rate of evaporation depend on?

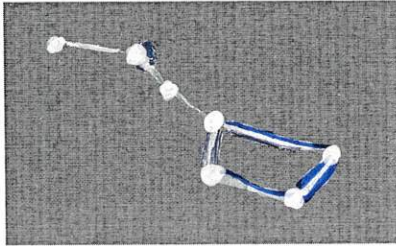
OR

- i. How can you cool the seat of a two-wheeler parked on a sunny day?
- ii. How are clouds formed?

Q23. How can you show the water distribution on the earth?
OR

- i. Justify, it is difficult to regrow forests.
- ii. Why is coal a non-renewable resource?

- Q24.i. Why are stars not visible during the day time?
- ii. Name the constellation and explain it.



OR

- i. Define Pole star and satellite.
- ii. Identify 'X' in the picture below and explain it.

