



POOJA MODEL SCHOOL
MID TERM EXAMINATION SESSION (2026-27)
SUBJECT: SCIENCE
CLASS: VI

MAX. MARKS : 80
DURATION: 3 hr

General Instructions

1. The question paper consists of **34 questions** and is divided into **four sections: A, B, C and D**.
2. All questions are compulsory.
3. **Section A** comprises question numbers **1 to 15**. These are multiple-choice questions carrying **one mark each**. Select the most appropriate response out of the four options.
4. **Section B** comprises question numbers **16 to 22**. These are short answer questions carrying **two marks each**.
5. **Section C** comprises question numbers **23 to 31**. These are short answer questions carrying **four marks each**.
6. **Section D** comprises question numbers **32 to 34**. These are short answer questions carrying **five marks each**.
7. Draw neat and properly labelled diagrams wherever required.
8. Write answers in complete sentences wherever necessary.
9. Use suitable examples from everyday life wherever asked.

SECTION A

Multiple Choice Questions

15 × 1 = 15 Marks

Q1. Which of the following best describes science?

- (a) Memorising facts only
(b) A systematic way of understanding the world through observation and investigation
(c) Guessing answers without evidence (d) Studying only living organisms

Q2. Which of the following is an example of a scientific question?

- (a) What is my favourite colour? (b) Why does a wet cloth dry faster in sunlight?
(c) Which game is the most interesting? (d) Which food tastes best?

Q3. Which feature is useful for grouping plants?

- (a) Colour of the soil (b) Type of roots (c) Time of sunrise (d) Temperature of water

Q4. A camel is well suited to live in a desert because it has adaptations that help it to:

- (a) live under water (b) survive in a hot and dry environment
(c) climb tall trees (d) live in very cold regions

Q5. Which nutrient is mainly responsible for growth and repair of body tissues?

- (a) Proteins (b) Fats (c) Vitamins (d) Water

Q6. Which of the following is a good example of a balanced diet?

- (a) Only rice and potatoes
(b) Only fruits
(c) A variety of foods providing different nutrients
(d) Only packaged snacks

Q7. Which material is attracted strongly by a magnet?

- (a) Plastic (b) Wood (c) Iron (d) Glass

Q8. The two ends of a bar magnet are called:

- (a) magnetic lines (b) magnetic poles (c) magnetic centres (d) magnetic points

Q9. A freely suspended bar magnet generally comes to rest in the:

- (a) east-west direction (b) north-south direction
(c) north-east direction (d) south-west direction

Q10. The standard unit of length in the International System of Units is:

- (a) centimetre (b) kilometre (c) metre (d) millimetre

Q11. Which type of motion is shown by the blades of a rotating fan?

- (a) Linear motion (b) Circular motion (c) Oscillatory motion (d) Random motion

Q12. Which of the following materials is transparent?

- (a) Wooden door (b) Clear glass (c) Cardboard (d) Stone

Q13. Which property of a material tells us whether a substance can dissolve in water?

- (a) Hardness (b) Solubility (c) Lustre (d) Strength

Q14. Which of the following is a renewable natural resource?

- (a) Coal (b) Petroleum (c) Sunlight (d) Natural gas

Q15. Which activity helps in conserving water?

- (a) Keeping taps running (b) Repairing leaking taps
(c) Washing vehicles with excess water (d) Throwing waste into water bodies

SECTION B

Short Answer Questions

7 × 2 = 14 Marks

Q16. What is meant by **scientific observation**? Give one example from everyday life.

Q17. Write any two adaptations that help animals survive in different habitats.

Q18. Name any two nutrients present in food and state one function of each.

Q19. What happens when:

(i) two unlike poles of magnets are brought close together?

(ii) two like poles of magnets are brought close together?

Q20. Why should we use **standard units** while measuring length?

OR

Name two instruments used for measuring length and mention what each is commonly used to measure.

Q21. What is the difference between a **transparent** and an **opaque** material? Give one example of each.

Q22. Differentiate between **renewable and non-renewable natural resources** with one example of each.

OR

Write any two ways in which forests are important for life on Earth.

SECTION C

Short Answer Questions

9 × 4 = 36 Marks

Q23. Explain the main steps of the **scientific method**. Why is testing important before accepting an explanation?

Q24. Plants and animals are found in different surroundings.

Explain how the following help organisms survive:

(i) Camel in a desert

(ii) Fish in water

(iii) Cactus in a dry region

(iv) Polar animals in very cold regions

Q25. What is a **balanced diet**? Explain why our body needs different nutrients. Mention the role of any three nutrients.

OR

Explain how deficiency of nutrients can affect our health. Give two examples of deficiency diseases and the nutrients related to them.

Q26. Draw a neat labelled diagram of a **bar magnet** and mark its two poles. Explain why the magnetic effect is strongest near the poles.

Q27. Explain the following:

(i) Attraction between magnets

(ii) Repulsion between magnets

(iii) Magnetic material

(iv) Non-magnetic material

Give one example of each type of material.

Q28. A student measures the length of a pencil using a ruler.

Write four important precautions that should be followed to obtain an accurate measurement.

OR

Explain how you can measure the length of a **curved line** using a thread and a ruler.

Q29. Explain the following types of motion with one suitable example each:

- (i) Linear motion
- (ii) Circular motion
- (iii) Oscillatory motion
- (iv) Any one motion observed in your surroundings

Q30. Materials can be grouped according to their properties. Explain any four of the following properties:

appearance, hardness, transparency, solubility, ability to float or sink.

Q31. Explain why natural resources need to be conserved. Describe any four ways in which we can conserve **water, forests, soil or energy resources.**

OR

Differentiate between **fossil fuels and renewable sources of energy**. Give two examples of each and mention one environmental concern related to excessive use of fossil fuels.

SECTION D

Short Answer Questions

3 × 5 = 15 Marks

Q32. A group of students observes different plants and animals around their school.

Answer the following:

- (i) What is meant by **diversity** in living organisms?
- (ii) Give two features that can be used to group plants.
- (iii) Give two features that can be used to group animals.
- (iv) Why is biodiversity important?
- (v) How can habitat destruction affect living organisms?

OR

Explain how plants and animals are adapted to their surroundings. Discuss suitable adaptations of a **desert plant, aquatic animal, bird and polar animal.**

Q33. Explain the importance of magnets in everyday life.

Your answer should include:

- (i) Magnetic and non-magnetic materials
- (ii) Magnetic poles
- (iii) Attraction and repulsion

(iv) Finding directions using a magnet or compass

(v) Any two practical uses of magnets

Draw a neat labelled diagram wherever appropriate.

Q34. Natural resources are essential for life.

Explain the importance and conservation of:

(i) Air

(ii) Water

(iii) Forests

(iv) Soil and minerals

(v) Energy resources

Also differentiate between **renewable and non-renewable resources** with suitable examples.

END OF QUESTION PAPER

