

*Checked
Divya
10/10/25*

BHARTIYA SHIKSHA BOARD
Model Paper – Half Yearly
SCIENCE - Class 6
Session 2025-26

Time: 3 Hours

Max Marks: 80

Instructions:

- Read the questions carefully.
- Please check that this question paper contains 04 printed pages.
- **10** minutes extra time is allowed to read this question paper. During this time, students will only read the question paper and not write the answers.
- This question paper contains **20** questions.
- Attempting all the questions is compulsory.
- This question paper contains **four** sections:
- **Section-A:** Q.no. **1** to Q.no. **4** carries **5** marks each.
- **Section-B:** Q.no. **5** to Q.no. **7** carries **5** marks each, Q.no. **8** carries **2** marks, Q.no. **9** carries **3** marks.
- **Section-C:** Q.no. **10** carries **2** marks, Q.no. **11** carries **3** marks, Q.no. **12** carries **6** marks, Q.no. **13** carries **2** marks and Q.no. **14** carries **4** marks.
- **Section-D:** Q.no. **15** carries **4** marks, Q.no. **16** carries **4** marks, Q.no. **17** carries **4** marks, Q.no. **18** and Q.no. **19** carries **4** marks each and Q.no. **20** carries **3** marks.

Section-A

Q1. True or False

(1×5=5)

- (a) A clinical thermometer is used to measure the temperature of a patient.
- (b) Metals are good conductors of electricity.
- (c) Hot springs are heated by the Sun's rays.
- (d) Leaves are attached to the stem by petiole.
- (e) Bones form a framework known as skeleton.

Q2. Fill in the blanks

(1×5=5)

- (a) The envelope of air surrounding the Earth is called the _____.
- (b) Bronze is an alloy of _____ and _____.
- (c) The green pigment in leaves is called _____.
- (d) Oil is _____ in water.
- (e) _____ is the broad green flattened portion supported by the midrib and network of veins.

Q3. Multiple Choice Questions

(1×5=5)

- (a) Which of the following is not a metal?
(i) Copper (ii) Aluminium
(iii) Sulphur (iv) Iron
- (b) Which of the following clouds can produce rain?
(i) Cumulus (ii) Cirrostratus (iii) Cumulonimbus (iv) Altostratus
- (c) What are the tiny pores on the surface of leaf called?
(i) Venation (ii) Stomata
(iii) Foliage (iv) Tendril
- (d) Which of the following plant part prepares food for the plant?
(i) Roots (ii) Stem
(iii) Leaf (iv) Flower
- (e) Which of the following causes earthquakes?
(i) Movement of tectonic plates (ii) Strong winds
(iii) Thunderstorms (iv) Heavy rainfall

Q4. Rewrite the incorrect statements correctly

(1×5=5)

- (a) Water scarcity means plenty of water available for all.
(b) All solids dissolve in water.
(c) Fishes have fins which help them move in water.
(d) Nylon is a natural fibre.
(e) Lizards have padded feet.

Section-B

Q5. Assertion and Reason

(1×5=5)

Direction: For each of the following question, choose the correct option:

- (a) Both A and R are true, R explains A
(b) Both A and R are true, R does not explain A
(c) A is true, R is false
(d) A is false, R is true
- (i) **Assertion:** The Earth looks blue from space.
Reason: About 71% of Earth's surface is covered with water.
- (ii) **Assertion:** Ice floats on water.
Reason: It has lower density than water.

(iii) **Assertion:** Stones in mountain rivers often become smooth and round.

Reason: Due to fast water flow, they undergo abrasion.

(iv) **Assertion:** Leaves appear green.

Reason: They contain chlorophyll which reflects green light.

(v) **Assertion:** Joints connect one bone to the other.

Reason: Presence of joints can be experienced by moving and rotating our legs.

Q6. Match the Following

(1×5=5)

Time of a marathon	Measuring tape
Serpentine locomotion	Frog
Length of a cloth	Stopwatch
Nylon	Snake
Webbed feet	Synthetic fibre

Q7. MCQs

(1×5=5)

(a) Which of the following is an example of hidden water use?

(i) Watering a plant

(ii) Manufacturing school bags

(iii) Floating in a river

(iv) Washing utensils

(b) Which of the following properties is responsible for the extensive use of gold in making jewellery?

(i) Hardness

(ii) Lustre

(iii) Electrical conductivity

(iv) Solubility

(c) Which group contains only metals?

(i) Copper, Iron, Aluminium

(ii) Carbon, Sulphur, Oxygen

(iii) Nylon, Cotton, Wool

(iv) Oxygen, Gold, Nitrogen

(d) The least count of a scale having 20 divisions in 1 cm is

(i) 20 cm (ii) 1 cm (iii) 0.1 cm (iv) 0.05 cm

(e) What helps in transport of water and minerals from roots to other plant parts?

(i) Stomata

(ii) Flower

(iii) Stem

(iv) Leaf

Q8. Name two biodegradable and two non-biodegradable materials.

(2 marks)

Q9. (a) What causes atmospheric rivers to flow?

(b) State what is troposphere.

(2+1=3)

Section-C

- Q10.** Explain with example: transparent, opaque and translucent objects. (2 marks)
- Q11.** (a) How are alloys different from metals? (1x3=3)
(b) Temperature in mountains is lower than in plains.
(c) Differentiate between Hydrophytes and Xerophytes.
- Q12.** (a) What is Volcano and what kind of structures can be created by volcano?
(b) Classify plants on the basis of seasons and give two examples of each. (2x3=6)
- Q13.** Draw a well labelled diagram of a flower. (2 marks)
- Q14.** (a) Mention two conditions in the upper layers of the troposphere that are fatal for humans.
(b) What are aerosols? Give one example. (2+2 marks)

Section-D

- Q15.** (a) How we can save water in our school? Suggest any two ways. (2+2 marks)
(b) Why seawater is not suitable for drinking?
- Q16.** (a) Distinguish between seabed and riverbed. (any two points)
(b) Why do hills experience more destruction such as landslides and floods during heavy rains? Explain with reasons. (2+2 marks)
- Q17.** Describe classification of materials as miscible/immiscible, hard/soft, good conductor/bad conductor of electricity with examples. (4 marks)
- Q18. Differentiate between:** (2+2 marks)
(a) Tap root and fibrous root
(b) Reticulate venation and parallel venation
- Q19.** (a) Movement of animals is directly related to their habitat. Justify.
(b) Define the following terms : Bipedal locomotion and quadrupedal locomotion. (2+2 marks)
- Q20. Give an explanation for the following.** (3 marks)
(a) Copper is used for making electric wires.
(b) Aluminium is extensively used in making cooking utensils.
(c) List three examples each of man-made and natural materials.