

CBSE Sample Paper Class 6 Science

SECTION – A (1 mark each)

FILL IN THE BLANKS: (10 MARKS)

1. Dolphins and whales have _____ to breathe.
2. Rotation of earth around the sun is _____ motion.
3. All bodies which emit light energy by themselves are called _____ bodies.
4. The path along which the light travels in a given direction is called a _____ of light.
5. Direction of electric current in the circuit is from _____ to _____ terminal.
6. Brightness of a bulb depends on the power of bulb and the _____ flowing through it.
7. Natural magnet is known as _____.
8. _____ is the process of conversion of water vapour into water on cooling .
9. _____ air is used in tyres of vehicles.

10. The process of breakdown of complex substances into simpler substances is called _____.

MULTIPLE CHOICE QUESTIONS: (10 marks)

11. Buoyancy in aquatic plants is due to

- (a) Water
- (b) Air in their body
- (c) Light
- (d) Temperature

12. _____ are the respiratory organs in fishes.

- (a) Lungs
- (b) Scales
- (c) Moist skin
- (d) Gills

13. The motion of the drawer of table is _____ .

- (a) Periodic motion
- (b) Translatory motion
- (c) Circular motion
- (d) Random motion

14. An inverted and diminished image is observed through a

- (a) mirror
- (b) pinhole camera
- (c) both (i) & (ii)
- (d) none of these

15. Which of the following converts chemical energy into electrical energy ?

- (a) A switch
- (b) Dry cell
- (c) Electrical iron
- (d) A bulb

16. Soft iron pieces placed across the ends of bar magnets when stored are called magnetic

- (a) compass
- (b) keepers
- (c) preservers
- (d) poles

17. The two ends of a bar magnet are called the _____.

- (a) Points
- (b) Roads
- (c) Poles
- (d) Ends

18. Water covers

- (a) 70% of earth's surface
- (b) 25% of earth's surface
- (c) 50% of earth's surface
- (d) 90% of earth's surface

19. The device used to measure the speed of wind is

- (a) barometer
- (b) anemometer
- (c) windmill
- (d) pin-wheel

20. _____ is known as farmer's friend.

- (a) Dog
- (b) Earthworm
- (c) Bull
- (d) Cow

SECTION – B (2 marks each)

21. What are the main characteristics of the living things?
22. What is parallax error?
23. Why are shadows black in colour?
24. What is water cycle?
25. What is the need of water conservation?
26. Why do the policemen on the traffic signal wear a mask?
27. What do you understand by the 3 R's?
28. How are magnetic materials different from non-magnetic materials ?

SECTION – C (3 marks each)

29. Differentiate between:

- (a) Root system and shoot system.
- (b) Tap roots and fibrous roots.
- (c) Herbs and trees.

30. What is the difference between open and closed circuit ?
31. What are man-made magnets ?
32. What is wind? Write its two uses.
33. What is vermicomposting? How is it done?
34. How has cactus modified itself to live in a desert?
35. Why could you not use an elastic measuring tape to measure distance?
36. Briefly describe transparent, translucent and opaque objects by giving suitable examples of each.

SECTION – D (5 marks each)

37. How is a landfill site prepared? What happens to it once it is completely full?
38. Show by an activity that water is essential for plant growth.
39. Draw the structure of leaf and label its different parts.
40. What may happen if :
 - (i) A fish is taken out of water and placed on land.
 - (ii) A lotus plant is removed from water and planted on land.
 - (iii) Insect living in soil, placed in a pond.
 - (iv) Mango sapling is planted underwater.