

AMRITA VIDYALAYAM

ANNUAL EXAMINATION 2019 - 20

Class : VI

Marks : 80

Time : 3 hrs

SCIENCE

GENERAL INSTRUCTIONS :

1. This question paper comprises of three sections A, B and C.
2. All questions are compulsory.
3. Questions in Section A are 1 mark questions comprising MCQ and VSA type questions. These are to be answered in one word or in one sentence. Questions 13 and 14 have four parts of 1 mark each.
4. Questions in Section B are 3 marks short answer type questions. These are to be answered in about 50-60 words each.
5. Questions in Section C are 5 marks questions. These are to be answered in 80-90 words.

SECTION - A

1. _____ protects the brain.
(Back bone, Skull, Rib cage, None of these)
2. _____ is a natural magnet.
(Rubber, Magnetite, Wood, Bar magnet)
3. The process of removing wastes from the body is known as _____.
(digestion, circulation, excretion, respiration)
4. Which of these are biotic components of the environment?
(plants and animals, soil and minerals, air and water, sunlight and temperature)
5. Pick out the reversible change from the following.
(cutting of trees, melting of ghee, cooking of food, blooming of flower)
6. Which of these is not a terrestrial habitat?
(grass, forest, desert, ocean)
7. Which of the following is an irreversible change?
(hardening of cement, freezing of ice cream, opening a door, melting of chocolate)
8. The backbone is made up of 33 small bones called _____.
9. Water vapour gets added to air by _____ and _____.
10. The image formed by a pinhole camera is _____ and _____.
11. Name the poles of a magnet.
12. Name the method used to obtain salt from sea water.
13. Column I shows different positions in which one pole of a magnet is placed near that of the other. Column II indicates the resulting action between them for each situation. Fill in the blanks.

Column I	Column II
N - N	_____
N - _____	Attraction
S - N	_____
_____ - S	Repulsion

14. For each of the following state whether it is due to condensation or evaporation.
- a) Water drops appear on the outer surface of a glass containing cold water.
 - b) Steam rising from a hot girdle when water is sprinkled on it.
 - c) Fog appearing on a cold winter morning.
 - d) Blackboard dries up after wiping it.

SECTION - B

- 15. How do plants and animals reproduce?
- 16. What is a saturated solution? How will you make a saturated solution?
- 17. How is a shadow formed? What are the properties of a shadow?
- 18. Explain magnetic and non-magnetic materials with examples.
- 19. Where are the poles of a magnet located? Write any two properties of a magnet.
- 20. Why do we need to separate different components of a mixture? Give one example.
- 21. Is it possible to separate sugar mixed with wheat flour? If yes, how will you do it?
- 22. Write an activity to show that food is prepared in the leaves.
- 23. What are adaptations? How are cactus adapted to survive in the desert?
- 24. Differentiate between tap root system and fibrous root system. Give examples.

SECTION - C

- 25.
 - a) What are joints?
 - b) Name different types of movable joints. Give examples.
 - c) Why are at least two muscles needed to move a bone at a joint in one direction?
- 26. What is water cycle? What is rain water harvesting? Explain two techniques of rain water harvesting.
- 27.
 - a) Draw the section of a flower and label the following parts.
(i) sepal (ii) petal (iii) stamen (iv) pistil
 - b) In which part of the flower will we find the ovary?
- 28.
 - a) Explain transparent, translucent and opaque objects.
 - b) Classify the following as transparent, opaque and translucent objects.
mirror, glass, wood, oil paper, ground glass, air
- 29. You are given an iron strip. How will you make it into a magnet?
- 30. Explain reversible and irreversible changes with examples. Explain how a metal rim is fixed on a wooden wheel.