

AMRITA VIDYALAYAM

ANNUAL EXAMINATION 2017 - '18

Class : VI

Marks : 80

Time : 2½ hrs

SCIENCE

GENERAL INSTRUCTIONS :

1. This question paper comprises two sections A and B. Attempt both sections.
2. All questions are compulsory.
3. Question numbers 1 - 2 are one mark questions.
4. Question numbers 3 - 5 are two marks questions.
5. Question numbers 6 - 15 are three marks questions.
6. Question numbers 16 - 21 are five marks questions.
7. Question numbers 22 - 27 are two marks questions.

SECTION - A

1. What is a tissue?
2. What is meant by translucent object?
3. Does a pinhole camera form an image of a shadow of an object? Justify your answer.
4. Why are at least two muscles needed to move a bone at a joint in one direction?
5. During interval, Rahul went to toilet. Some of the taps were opened and water was flowing. Then he closed the taps. What message does he convey to us?
6. Explain the difference between tap roots and fibrous roots. Give two examples.
7. What are reversible and irreversible changes?
8. Given a bar magnet, how will you find the direction?
9. How can you show that water vapour is present in air?
10. Are living things matter? Justify your answer.

11. Mention two ways in which plants are useful to animals and vice versa.
12. People living in a certain region have a high incidence of skin cancer. Identify the possible cause for this.
13. What is the difference between endoskeleton and exoskeleton? Give two examples.
14. Mention the uses of any three gases present in air.
15. In what ways is an image different from a shadow?
16. How are the following animals adapted to survive in the environment they live in?
 - a) Camel (any three)
 - b) Fish (any two)
17. a) Why are only green plants called producers?
 - b) Suppose a scientist came up with a medicine that could kill all bacteria and fungi and gave it to you to use. Would you use it or not? Why?
18. a) What are the differences between physical and chemical changes?
 - b) Classify the following as physical and chemical changes.
 - (i) Growth of plants.
 - (ii) Cooking of food.
 - (iii) Stretching of a rubber band.
 - (iv) Kicking of a football.
19. a) How will you experimentally show that there are two regions in a magnet where its magnetic strength is concentrated?
 - b) What will happen to the poles of magnet if it is broken into two?
20. a) Explain water cycle with the help of a diagram.
 - b) List two ways by which we can conserve water.
21. a) Draw a diagram to show the eclipse of the sun. Mark the areas where you can see total solar eclipse and partial solar eclipse.
 - b) Why does a solar eclipse always occur on a new moon day?

SECTION - B

22. Classify the following objects into those that produce their own light and those that do not.
sun, table, lighted candle, chair
23. What kind of venation can you find in the following plants?
a) grass b) carrot c) wheat d) mango
24. Which gas is released when washing soda reacts with lemon juice? How can you identify the gas?
25. Complete the table.

Magnet A	Magnet B	Observation
N-Pole	_____	Repel
S-Pole	N-Pole	_____
_____	S-Pole	Attract
S-Pole	S-pole	_____

26. Classify the following joints into hinge joint, ball and socket joint, pivot joint and gliding joint.
a) Neck b) Elbow c) Wrist d) Shoulder
27. When a lighted candle is covered with a glass tumbler, it gets extinguished. Why?