

AMRITA VIDYALAYAM

ANNUAL EXAMINATION 2017 - '18

Class : VII

Marks : 80


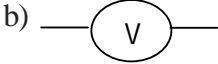

Time : 2½ hrs

SCIENCE

GENERAL INSTRUCTIONS:

1. All questions are compulsory.
2. This question paper consists of Section A and B.
3. Question number 1 and 2 carry 1 mark each.
4. Question number 3-5 carry 2 marks each.
5. Question number 6-15 carry 3 marks each.
6. Question number 16-21 carry 5 marks each.
7. Question number 22-27 are practical based questions and carry 2 marks each.

SECTION - A

1. What is speed?
2. Name the respiratory organ in amoeba.
3. Why are acids not stored in metal containers? Name the base used for the preparation of soap.
4. Ventricles have thick walls. Why?
5. A convex mirror is used in vehicles as a rear view. Why?
6. What does a formula represent?
7. Differentiate between arteries and veins.
8. Write the common name for the following.
 - a) Sodium chloride
 - b) Copper sulphate
 - c) Sodium hydroxide
9. Identify the symbols.
 - a) 
 - b) 
 - c) 

10. Appu was brushing his teeth in the morning. While brushing he forgot to close the water tap. Seeing this his grandmother told him to close the tap and gave awareness about the conservation of water. He obeyed his grandmother.
- What is conservation of water?
 - What value was shown by Appu and his grandmother?
11. Some organisms like yeast and bacteria can live without oxygen. Do you agree? How do these organisms produce energy?
12. Ramu participated in 400m race held at his school. He felt pain in his legs. His friend Ravi helped him by massaging his leg muscles. After that Ramu was relieved of the pain.
- What can be the possible reason for the pain in his legs?
 - Why did Ramu feel comfortable after a massage?
 - What are the values exhibited by Ravi?
13. Balance the following equations.
- $N_2 + H_2 \rightarrow NH_3$
 - $CaCO_3 + HCl \rightarrow CaCl_2 + H_2O + CO_2$
14. Draw a distance-time graph from the data given below showing the distance covered by a car.

TIME (s)	DISTANCE (m)
0	0
1	5
2	10
3	15
4	20
5	25

- Write the use of fuse wire in a circuit.
 - Fuse wire or MCB are not used in a circuit containing electric cells. Why?
16. What do you mean by vegetative reproduction? Write any three advantages of vegetative reproduction.
17. Explain the working of simple electric bell.

