

AMRITA VIDYALAYAM

ANNUAL EXAMINATION 2019 - 20

Class : VII

Marks : 80

Time : 3 hrs

SCIENCE

GENERAL INSTRUCTIONS :

1. *This question paper comprises of three sections A, B and C. You have to attempt all sections.*
2. *All questions are compulsory.*
3. *Internal choice is given in each section.*
4. *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. In a battery, the positive terminal of one cell should be connected to the positive terminal of another cell. State whether this statement is true or false.
2. Write down the formula for finding the percolation rate of soil.
3. The process of seeping of water into the ground is called _____.
(infiltration, precipitation, evaporation)
4. Exchange of gases in plants takes place through _____.
(stomata, root, entire leaf surface)

OR

- Exchange of gases in insects takes place through _____.
(gills, spiracles, lungs)
5. The image formed by a plane mirror is as much _____ the mirror as the object is in front of it.
 6. What is the term for distance covered by a body in unit time?
 7. What is aquifer?
 8. Name the muscular part of the body present in the chest cavity which helps air to be breathed in and out.
 9. The rotting dead matter in the soil is called _____.
 10. On what factors does the amount of heat produced in a wire depend?
 11. Name the tiny filtering units of the kidney.
 12. Which type of mirror can form a real image?
(plane, concave, convex)
 13. Match the following.

a) Ammonium hydroxide	amla
b) Calcium hydroxide	indicator
c) Ascorbic acid	lime water
d) Turmeric	window cleaner

SECTION - C

25. Describe the working of a simple electric bell with diagram.
26. a) Write the characteristics of an image formed by a plane mirror.
b) What do you mean by lateral inversion?
c) Why is 'ambulance' written laterally inverted?

OR

Explain the set-up used by Newton to obtain a spectrum with a diagram.

27. a) What is pollination? What are the two types of pollination? Explain.
b) Define fertilization. What are the changes taking place after fertilization?

OR

- a) Explain the three methods of seed dispersal with example.
b) What are the advantages of seed dispersal?
28. a) In what ways are the xylem and phloem important for transportation of materials in plants?
b) Name the different parts of human excretory system. Write the functions of each.
29. Give reason.
a) An antacid tablet is taken when you suffer from acidity.
b) Calamine lotion is applied on the skin when an ant bites.
30. Briefly describe the factors responsible for the depletion of water table.

OR

- a) Define a water cycle.
b) What happens to rain water once it falls on the earth?
c) What are the different states of water? How are they seen at the different regions on earth?