

AMRITA VIDYALAYAM

ANNUAL EXAMINATION 2018 -'19

Class : VIII

Marks : 80

Time : 3 hrs

SCIENCE

GENERAL INSTRUCTIONS :

1. All questions are compulsory. However an internal choice is provided in three questions of 5 mark each.
2. Question no. 1 - 3 carry 1 mark each.
3. Question no. 4 - 8 carry 2 marks each.
4. Question no. 9 - 18 carry 3 marks each.
5. Question no. 19 - 23 carry 5 marks each.
6. Question no. 24 - 29 are practical based questions and carry 2 marks each.

SECTION - A

1. Complete. Sulphur dioxide + water \rightarrow _____
2. Name the machine that acts as both harvester and thresher.
3. The stage of embryo in which all the body parts can be identified.
4. Phosphorus is stored in water. Why?
5. Why are expecting mothers advised to take in more nutrients and avoid alcohol and tobacco during pregnancy?
6. A candle produces a flame, while a charcoal does not produce a flame. Give reason.
7. What are endemic species? Give two examples.
8. What are the chemical effects of electric current?
9. Differentiate between metals and non-metals based on their physical properties.
10. Explain metamorphosis with the help of an example.
11. Explain why it is safer to use a wireless telephone instead

of a landline telephone during lightning.

12. What is fertilization? Describe the two types of fertilization.
13. How are fertilizers different from manures?
14. Predict the results and justify your answers.
 - a) Copper sulphate + Iron →
 - b) Zinc sulphate + Copper →
15. Explain in what way noise pollution is harmful to humans.
16. List the different steps of agricultural practices.
17. Differentiate between regular and diffused reflection.
18. How sound is produced and how is it transmitted and heard by us?
- 19.a) Draw a labelled sketch of human eye.
 - b) What is the blind spot? Where it is located?

OR

- a) Describe the construction of kaleidoscope.
- b) How is the phenomenon of reflection used in making a kaleidoscope?
What is the application of a kaleidoscope?
20. There is a fire accident in your neighbourhood. Describe how the firemen extinguish it. Why do they turn off the main switch of the electric supply of the building?

OR

We should minimize the use of fuels. Why?

- 21.a) Explain how earthquakes occur.
- b) What should you do during an earthquake?

OR

Describe with the help of a diagram an instrument which can be used to detect a charged body.

22. Hari has an iron key chain. It is dull now. Can you help him to arrange the apparatus for electroplating Cu metal over it? What are the values exhibited by Hari by doing this?
- 23.a) Name the project launched by the government to protect the tigers.

- b) Differentiate between endangered and extinct species.
- c) Why is it important for birds to migrate long distances?

SECTION - B

- 24. A simple pendulum makes 10 oscillations in 20 s. What is the time period and frequency of its oscillations?
- 25. What is the angle of incidence of a ray if the reflected ray is at an angle of 90° to the incident ray?
- 26. Classify the following into two categories based on combustion.
rock, candle, water, charcoal
- 27. An empty paper cup and a paper cup containing water is introduced into a candle flame. Explain your observations.
- 28. How can you separate damaged seeds from the healthy ones?
- 29. A student observes slides of hydra and saw bulges on the parent body. What does it indicate?