

Block Education officer and Block Resource Center

Bangalore south-1, Bangalore South district

Board Exam – 2024 – Model Question paper

Class : 8

Subject : Science

Marks: 50

Time: 2 Hour 30 Minutes

I. Four alternatives are given for each of the following statements choose the correct answer. 16x1=16

1. The planets which rotates from east to west
a) Earth and Mars b) Venus and Mars c) Venus and Uranus d) Uranus and Saturn
2. The force acting and unit area of a surface is called _____
a) Pressure b) Friction c) Volume d) Contact force
3. Which group of instruments among the following produces sound by beating / striking
a) Flute, Guitar, Manjra b) Tabala, Veena, Ghatam
c) Tabala, Ghatam, Manjra d) None of these
4. The increasing order of Planets according to their size
a) Mercury, Venus, Earth b) Mercury, Earth, Mars
c) Mercury, Mars, Venus d) None of these
5. Which among the following is not a suggestion given by eye specialist to taking care of our eyes _____
a) Use of suitable spectacles b) Not for see bright light directly
c) Never rub your eyes d) View mobiles frequently
6. The incorrect options related to the use of metals among the following is ____
a) Iron- wrapping of food b) Mercury - Thermometers
c) copper- Electric wire d) Gold- Jewellery
7. The types of plastics use in Cooker handles _____
a) Polythene b) Melamine c) Bakelite d) None of these
8. The constituent of petroleum used in electric generators _____
a) Petrol b) Diesel c) Bitumen d) Paraffin wax
9. The liquid which cause deflection of the magnetic needle among the following is _____
a) Vinegar solution b) Sugar solution
c) Distilled water d) None of these
10. The gland which secretes the hormone for control of our emotions _____
a) Pituitary gland b) Adrenal gland
c) Thyroid gland d) Pancreas
11. The reason for the deforestation among the following is
a) Growing more trees b) Use of recycled products
c) Forest fire and severe drought d) None of these
12. The type of Irrigation which is not the traditional method among the following is
a) Moat b) Chain pump c) Rahat d) Sprinkler system
13. Threatened wild animals are protected in ____
a) National park b) Wild life sanctuaries
c) Protected area d) None of these
14. The one which among the following is not a green house gas _____
a) Carbon Dioxide b) Sulphur dioxide c) Methane d) Nitrogen
15. The statement which is not applicable for the uses of fertilizer is____
a) Rich in plants nutrient b) Provides humus to the soil
c) Manmade inorganic salt d) Prepared in factories

16. Among which of the following organism does not reproduce asexually _____
a) Frog b) Amoeba c) Hydra d) Bacteria

II. Answer the following.

4x1 = 4

17. What are the health related problems caused by noise pollution?
18. Draw a neat diagram of virus.
19. What is a foetus?
20. What is the advantage of LED ?

III. Answer the following questions.

2x6 = 12

21. Why static friction is more than sliding friction?

OR

Objects moving in fluids must have special shapes why?

22. What is a lightning conductor? How does it work?
23. Draw a diagram showing reflection on irregular surface.

OR

Define the following words regarding the structure of eyes.

1. Blind spot 2. Iris

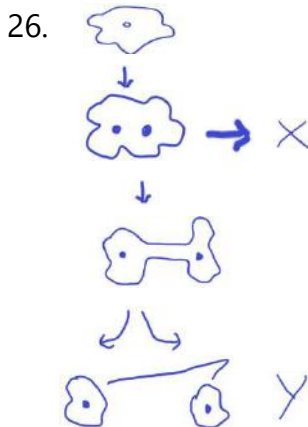
24. Write word – equation for the following reaction.

- a) Iron nails are placed in copper sulphate solution.
b) Sulphuric acid is poured on a copper plate

OR

What are the importance of non metals on living beings?

25. Petroleum is also called as "Black Gold". Give reasons.



1) Name x and y in the figure.

2) Name the process.

IV. Answer the following questions.

3x3 = 9

27. Iron in used bridges are coated with Zinc why?

OR

Electroplating factory disposals should be disposed according to guidelines why?

28. Write about Acid rain.
29. Draw a neat diagram showing the plant cell and label the following parts.
1. Cell wall 2. Chloroplast

V. Answer the following question.

4x1 = 4

30. a) Write the preventive measures for thyroid?
b) Why do we use sugar to preserve Jam jelly and Squashes ?

OR

- a) Write the preventive measures for Hepatitis A?
b) One should not let water collect anywhere in coolers, tyres and flower pots

VI. Answer the following question.

5x1 = 5

31. a) Give two examples that a force can change the state of motion of an object.
b) Give an example to explain the pressure created by atmosphere.