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Code No : BEM8204

YEARLY ASSESSMENT

CLASS – VIII

SCIENCE

Time allowed: 2½ hour

Maximum Marks: 80

General Instructions.

The question paper is divided into **four** sections.

- (i) SECTION A contains question number 1 to 10. Each carries 1 mark.
Answer **all** questions.
- (ii) SECTION B contains question number 11 to 15. Each carries 2 marks.
Answer **all** questions.
- (iii) SECTION C contains question number 16 to 27. Each carries 3 marks.
Answer **any 10** questions.
- (iv) SECTION D contains question number 28 to 33. Each carries 5 marks.
Answer **all** questions. Draw diagram wherever necessary.
- (v) Question number 28 to 33 have internal choice. Answer **any one** of the options.

SECTION A

1. I am the most common carrier of communicable diseases. Who am I?
2. I am a metal which reacts violently with cold water. Who am I?
3. I am the mixture of polyester and wool. Identify me.
4. I am a bird with a large cornea and a large pupil to allow more light in my eye.
Identify me.

5. What is the standard unit of pressure?
6. Which is the control centre of a cell?
7. The organelle which helps in manufacture of food in plant cell is_____.
8. _____ is the petroleum product used for surfacing of roads.
9. For purification of metals, electrode is made of a pure metallic strip called _____.
 - a. Anode
 - b. Cathode
 - c. cation
 - d. Anion
10. Water fit for drinking is _____.
 - a. Contaminated water
 - b. Sewage water
 - c. Potable water
 - d. Distilled water

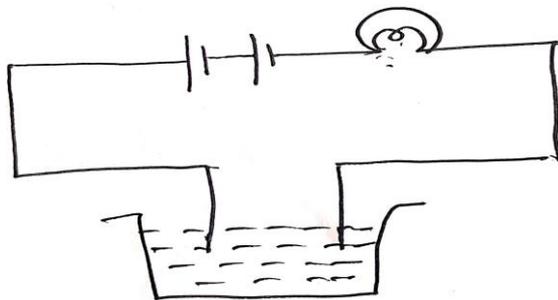
SECTION B

11. Differentiate food preservation and food poisoning.
12. What are petrochemicals? Give few examples and uses.
13. Does pure water conduct electricity? If not, what can we do to make it conduct?
14. What is potable water?
15. Write about the size of cells.

SECTION C

16. Name the microorganisms which can fix atmospheric nitrogen in the soil.
17. Write a short paragraph on the harms caused by Microorganisms.
18. Give some uses of non-metals.
19. Explain why plastic containers are favoured for storing food.

20. Differentiate between regular and diffused reflection.
21. Name the forces acting on a plastic bucket containing water held above the ground level in your hand. Discuss why the force acting on the bucket doesn't bring a change in its state of motion.
22. State the difference between Eukaryotes and Prokaryotes.
23. Cells are the basic structural units of living organisms. Explain.
24. What are the advantages of using CNG and LPG as fuels ?
25. The bulb does not glow in the set up shown. List possible reasons. Explain your answer.



26. Explain the difference between pure air and polluted air.
27. Describe the threat to the beauty of the Tajmahal.

SECTION D

28. What are the major types of Microorganisms? Explain with neat diagram.

(or)

What are the Antibiotics? What precautions must be taken while taking Antibiotics?

29. Distinguish between metals and non-metals on the basis of physical properties.

(or)

Saloni took a piece of burning charcoal and collected the gas evolved in a test tube.

- a) How will she find the nature of the gas?
- b) Write down the equation of all the reactions taking place in this process.

30. Write short note on the following.

- a. Cytoplasm
- b. Nucleus of a cell

(or)

Draw and label the parts of plant cell and animal cell.

31. Describe the characteristics and uses of coke.

(or)

Explain the process of formation of petroleum.

32. Describe how will you purify a strip of impure copper by using chemical effect of electric current?

(or)

A child staying in a coastal region tests the drinking water and also the sea water with his tester. He finds that the compass needle deflects more in the case of seawater .Can you explain the reason?

33. At an individual level, how can you help to reduce air pollution.

(or)

Explain briefly about Global warming.
