

Question Paper SA–I
2016–17 set A
CBSE Class 8 Science

General Instructions:

- All are Questions are compulsory.
 - This paper Contains 32 Questions.
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1. Name one disease caused by protozoa. (1)
2. Using which instrument we can see the micro-organism? (1)
3. Name any two climatic conditions which changes in different regions. (1)
4. Write one of bitumen. (1)
5. PET is a form of which synthetic fibre? (1)
6. Enlist any two fossil fuels. (1)
7. Which season suits paddy cultivation? (1)
8. What is meant by synthetic fibres? (1)
9. Nylon is made up of three substances. If one of them is coal, then name the other two.
10. Complete the following sentence. (1)
Since plastic takes several years to it is not environment
11. Describe a method to separate healthy seeds and damaged seeds. (2)
12. Why are the electrical wires covered with plastic covering? (2)
13. Read the given passage and answer the questions that follow. (3)
About 300 million years ago, earth had dense forests. Due to natural processes like flooding, the forests got buried under the soil. As more soil deposited over them, they got compressed. Under high pressure and high temperature, dead plants got slowly converted to coal. The slow process of conversion of dead vegetation into coal is called carbonization. Coal is made

up of dead remains of vegetation and is called a fossil fuel. (i) Why coal formation can be called as carbonization? (ii) coal is called a fossil fuel. Give reason.

14. Enlist the four traditional methods of irrigation. (2)

15. Briefly describe 'threshing'. (2)

16. Name the two common preservatives containing sodium. (2)

17. Which are the four major groups of micro-organisms? (2)

18. (i) Covering meat with dry salt preserves the meat. Explain. (2)

(ii) Which micro-organism causes 'rust of wheat'

19. Write a short note on melamine. (3)

20. Products of coal tar are used as starting materials for manufacturing several useful substance. Write the names of any six manufactured products. (3)

21. A synthetic fibre is used to make sleeping bags, socks, ropes, etc. (3)

(i) Identify the fibre.

(ii) write any three features of this fibre.

(iii) Which of the two is stronger of this fibre or a steel wire?

22. Write one use of each of the following substances. (3)

(i) Bakelite (ii) Acrylic (iii) Rayon

23. (i) Explain what is meant by pasteurization? (3)

(ii) Pasteurized milk can be consumed without boiling. Give reason.

24. (i) From which substance is coke obtained? (3)

(ii) Write its two properties.

(iii) Enlist any two uses of coke.

25. (i) What is the use of a seed drill? (3)

(ii) Give two points of difference between Rabi and Kharif crops.

26. Draw a neat and labelled diagram of a 'plough' or a 'hoe'. (3)

27. With the help of only a diagram, explain nitrogen cycle. (3)

28. Shown below is an incomplete table of various petroleum products and their uses. Using the provided clues, identify A, B, C, D and E and complete the table.

| S. No. | Product | Uses |
|--------|--------------|--------------------------------|
| 1. | Paraffin wax | A |
| 2. | B | Lubrication |
| 3. | C | Fuel for home, industry |
| 4. | D | Fuel for stove, let air crafts |
| 5. | Diesel | E |

29. (i) Explain how manure is different from fertilizers. (any three points) (5)

(ii) Write two advantages of manures over fertilizers.?

30. (i) Write the advantages of loosening and turning of the soil. (5)

(ii) Describe one method of irrigation, which helps in conserving water.

31. “Some micro-organisms are our friends” Give any five examples to justify the statement. (5)

32. (a) Sindhu and her family were planning to buy a luxury car. One day, while sitting together, all the members except Sindhu decided to buy an eight seater car, which uses traditional fuel. After listening patiently, Sindhu proposed to buy a CNG car.

Now answer the following questions:

(i) Do you agree with Sindhu’s proposal? Why or Why not?

(ii) Write any two values shown by Sindhu.

(b) Sketch a labelled diagram showing petroleum and natural gas deposits.