



INDIAN SCHOOL SOHAR
TERM- I EXAMINATION 2017
SUBJECT:-SCIENCE

No of pages-2

CLASS:-VIII
DATE:-27-09-17

MAXIMUM MARKS:-80
TIME:-3 HRS

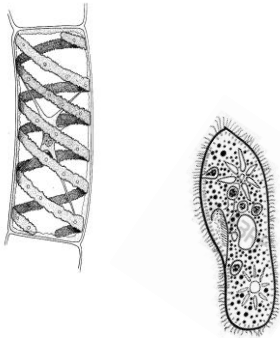
GENERAL INSTRUCTIONS:

Question paper carries 27 questions. Read the instructions carefully and answer.

1. Questions 1 to 2 are very short answer type questions carrying 1 mark each.
2. Questions 3 to 5 are short answer type questions carrying 2 marks each.
3. Questions 6 to 15 are long answer type questions carrying 3 marks each.
4. Questions 16 to 21 are very long answer type questions carrying 5 marks each.
5. Questions 22 to 27 are practical based type questions carrying each.

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|--|---|
| 1. a) Name the following:- A metal which reacts vigorously with water and oxygen. | 1 |
| 2. State one use of the following:- a) Bitumen b) Coal tar. | 1 |
| 3. Why chloroplasts are found only in plant cells? (Write 2 points) | 2 |
| 4. State one difference between zygote and foetus. | 2 |
| 5. CNG is preferred as a better fuel over petrol/diesel in automobiles. State two reasons. | 2 |
| 6. a) Define calorific value. | 3 |
| b) In an experiment 5.6kg of fuel was burnt. The heat produced was measured to be 2800,000KJ. Calculate the calorific value of the fuel | |
| 7. a) Name the type of fibre used to make parachutes and mountaineers ropes. State two reasons for using it. | 3 |
| b) What are biodegradable materials? | |
| 8. a) What are antibiotics? | 3 |
| b) Name any two commonly known antibiotics obtain from fungi and bacteria. | |
| 9. a) What are endemic species? | 3 |
| b) Give two examples each of endemic species of flora & fauna of Pachmarhi Biosphere Reserve. | |
| 10. a) Differentiate between oviparous and viviparous animals. Give two examples. | 3 |
| b) Define metamorphosis. | |
| 11. Mention any three tips advised by the Petroleum Conservation Research Association (PCRA) in India to save petrol/diesel while driving. | 3 |
| 12. a) What is meant by tilling the soil? | 3 |
| b) Why do farmers till the soil? Mention any two reasons. | |
| 13. a) Name a non-metal stored in water. Why it is stored in water? State two reasons. | 3 |
| b) Rita's mother advised her not to store curd in a copper vessel. Justify the statement. | |
| 14. a) What is protoplasm? What does it include? | 3 |
| b) Name the following:- i) Units of inheritance present on the chromosomes in living organisms.
ii) A small spherical body present in the nucleus.
iii) A group of similar cells performing a specific function. | |
| 15. a) Name the microorganisms which causes the following diseases. | 3 |
| .i) Tuberculosis. ii) Rust of wheat. iii) Chicken pox. | |
| b) Mention one use of the following:- i) Lactobacillus ii) Sodium benzoate iii) Rhizobium. | 5 |
| 16. a) What happens when Zinc granules react with Copper sulphate solution? (Write the equation.) | |
| b) Will there be a colour change in the Copper sulphate solution, if yes what is the change in colour before and after the reaction? | |
| c) Name the type of the reaction. | |
| d) Define the reaction. | |
| 17. a) Observe the given picture A & B given below identify and answer the following questions. | 5 |
| i) Write the name of the organism A & B. | |

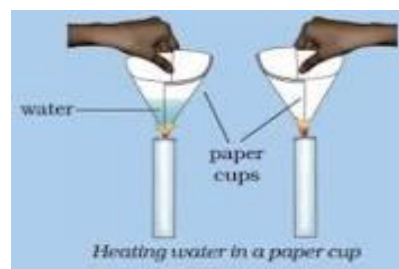
ii) Name the group to which A & B belong.



A

B

- b) Name the carrier that causes i) Malaria ii) Dengue
 c) Nina's mother advised her who was having severe cold to keep a handkerchief on her nose/mouth while sneezing. Justify by stating two reasons.
18. a) Differentiate between thermoplastic and thermosetting plastic.(one difference each.) **5**
 b) Give two examples each for the above plastics. Mention one use for each.
 c) Why we should not wear synthetic clothes while working in the kitchen?(Write 1 point.)
- 19.a) Define carbonization. **5**
 b) Give two examples of fossil fuels.
 c) Why are fossil fuels called exhaustible natural resources? (Write 2 points)
 d) Name the following: -i) The fuel used in jet air craft.
 ii) The petroleum product used to make candles.
20. a) Draw a neat labeled diagram of Nitrogen cycle. **5**
 b) What are biological nitrogen fixers?
21. a) Define ignition temperature. **5**
 b) Which is the best fire extinguisher used to extinguish fire caused by electrical equipment and inflammable material? State two reasons.
 c) Mention any three characteristics of an ideal fuel?
22. a) Rayon is a synthetic fiber but when burnt it smells like burning paper. Justify.(2points) **2**
 b) State two uses of rayon.
- 23.a) Why should grains be dried before storage?(Mention 2 points.) **2**
24. a) Why does the milk that comes in packets or cans does not get spoilt? **2**
 b) What is the above process called? Define the process.
25. Draw the structure of human cheek cells and label three parts. **2**
26. a) Name the product formed when Sulphur burns in the presence of air? **2**
 b) What is formed when the above product dissolves in water?
 c) How will you test the nature of the above solution? Is the solution acidic or basic.
27. a) Observe the figure given below and answer the following questions. **2**
 i) What happens to the empty paper cup?
 ii) What happens to the paper cup with water?



THE END