

**CBSE Question Paper 2019 Set-2**  
**Class 8 Science**

**Time :** 2.30 Hrs

**M.M. :** 50

**General Instructions:**

- i. All the questions are compulsory.
- ii. Please write down the serial number of the question before attempting it.
- iii. The question paper consists of 20 questions and it is divided into four sections A, B, C and D.
- iv. Section A comprises of 5 questions carrying 1 mark each.
- v. Section B comprises of 6 questions carrying 2 marks each.
- vi. Section C comprises of 6 questions carrying 3 marks each.
- vii. Section D comprises of 3 questions carrying 5 marks each.
- viii. There is no overall choice. However, an internal choice has been provided in 1 question of 2 marks and 1 question of 5 marks each.

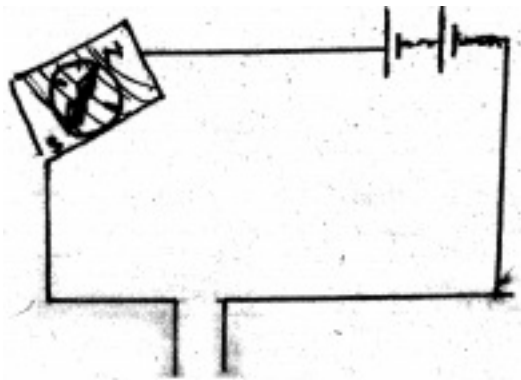
**SECTION 'A'**

1. List any two conditions under which combustion can take place.
2. Micro-organisms are very small so cannot be seen by naked eyes. How can we see them?
3. Which part of the cell contains cell organelles?
4. It is not possible to do electroplating on a piece of wood. Why?
5. How many images of a candle will be formed if it is kept between two plane mirrors placed parallel to each other?

**SECTION 'B'**

6. Write the definition of asexual reproduction. Write any two methods of this type of reproduction in animals.
7. Answer these questions :
  - i. Name the material of which shiny lining is present in thermometers.

- ii. Why are the cooking utensils made of metals?
8. Eggs of frogs are soft and moist and do not have hard shell on it as in the eggs of hen. Why?
9. Observe the circuit in the given figure:



Current does not flow in the circuit if there is a gap between the two wires.

- i. Does it indicate that air is a poor conductor of electricity?
- ii. Does air never conducts electricity? Explain.
- 10.

Properties	Metal	(Non-metal)
(i) Hardness		
(ii) Conductivity		

some Properties are listed in the table above. Distinguish between metals and non-metals on the basis of these properties.

11. Match the organism in Column I with their effect/action in Column II:

Column I	Column II
(i) Bacteria	(a) Fixing nitrogen
(ii) Rhizobium	(b) Making bread
(iii) Lactobacillus	(c) Causing cholera
(iv) Yeast	(d) Causing malaria
	(e) Setting of curd

OR

Fill in the blanks :

- i. Yeast is used in the production of .....

- ii. ....is an antibiotic.
- iii. Carrier of malaria causing protozoan is .....
- iv. The process of conversion of sugar into alcohol is called.....

### SECTION-C

12. Answer the following questions (by giving names of metals or non-metals):
- i. Name two soft metals which can be cut with a knife.
  - ii. Which non-metal is essential for our life and living organisms inhale it during breathing?
  - iii. Alcoholic solution of a purple coloured non-metal which is applied on wounds as an antiseptic.
13. A boy wants to deposit a layer of silver on a steel spoon. He took silver nitrate solution in a beaker and set up a circuit for electroplating.
- i. Which terminal of the battery should the spoon be connected to?
  - ii. What material should the other electrode be made of?
  - iii. Define electroplating.
14. Seeta observed her mother making chilli pickle. After filling the pickle in the bottle her mother poured oil on top of the pickle before closing the lid. Seeta wanted to know why oil was poured over the pickle? Explain.
15.
  - i. Write the differences between pure air and polluted air.
  - ii. How is water polluted?
16.
  - i. In market, eggs of hens are available but never eggs of cats, horses and elephants. Why?
  - ii. Write the importance of reproduction.
17.
  - i. What is smog?
  - ii. Name the diseases caused due to smog.
  - iii. Why should we switch over to fuels such as CNG and LPG?

### SECTION 'D'

18.
  - i. Name the related cell organelle and the pigment which gives green colour to the leaves.
  - ii. Draw a neat and labeled diagram of a plant cell.(Any four labels)
19.
  - i. Three jars A, B and C are filled with carbon dioxide, oxygen and nitrogen respectively.

In each jar a lighted candle is placed simultaneously. In which jar will the candle remain lighted for a longer time and why? Show this activity with the help of diagram.

ii. Why the candle extinguished in the other two jars? Give reason.

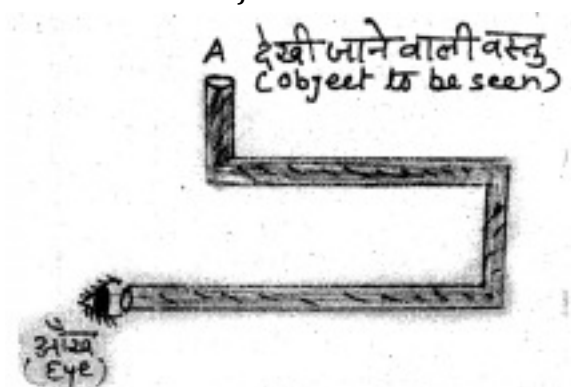
OR

(i) Shikha wants to boil water quicker in a test tube. On observing the different zones of the flame, she is not able to decide which zone of the flame will be best for boiling water quicker? Help her in this activity.

(ii) Salman's mother was cooling potato on a chulha. To his surprise he observed that the vessel was getting blackened from outside. What could be the reason for this?

(iii) Ignition temperature of petrol is lesser or greater in comparison to wood?

20. Amit planned an activity to observe an object A through pipes as shown in figure so that he could see objects which he could not see directly.



- How many mirrors should he use to see image of the objects?
- Indicate the positions of the mirrors in the figure.
- What must be the angle with respect to the incident light at which he should place the mirrors?
- Indicate the direction of rays in the figure.
- If any of the mirrors is removed, why he will not be able to see the image?