

ST ARNOLD'S CENTRAL SCHOOL, PUNE
TERM - 1 EXAMINATION, 2018-19
SUBJECT: SCIENCE

STD : VIII

MM : 80

Question numbers 1 to 7 carry 1 mark each.

1. Name two carriers of disease-causing microbes. (1)
2. Non-metals cannot be drawn into wires. Why? (1)
3. Which part of the cell contains organelles? (1)
4. Define Force. (1)
5. Why is a layer of zinc coated over iron? (1)
6. Classify the following into thermosetting and thermoplastics – (1)
Combs, bakelite, melamine, toys
7. What is meant by crop rotation? (1)

Question numbers 8 to 15 carry 2 mark each.

8. What are Antibiotics? Name two important antibiotics. (2)
9. During electrolysis of water, why does hydrogen collect on cathode and oxygen collect on anode? (2)
10. Two women are of the same weight. One wears sandals with pointed heels while the other wears sandals with flat soles. Which one would feel more comfortable while walking on a sandy beach? Give reasons for your answer. (2)
11. Paheli bought a statue made up of copper. To her surprise, it acquired a dull green coating after a couple of months. Explain the reason. (2)
13. How is rayon made? Give one advantage of using rayon. (2)
14. Give two disadvantages of using fertilizers excessively. (2)
15. Observe the following figure given below.
Answer the following questions.
(a) Does it represent a plant cell or an animal cell?
(b) Does it represent a prokaryotic cell or a eukaryotic cell? (2)



12. Match the names of scientists given in Column I with the discovery made by them given in Column II. (2)

Column I	Column II
(a) Louis Pastuer	(i) Pencillin
(b) Robert Koch	(ii) Anthrax bacterium
(c) Edward Jenner	(iii) Fermentation
(d) Alexander Fleming	(iv) Smallpox vaccine
	(v) Typhoid

Question numbers 16 to 24 carry 3 mark each.

16. a) Arrange the following elements in order of increasing reactivity.

Sodium, Magnesium, Copper, Zinc.

- b) Can copper displace iron from iron sulphate solution? Give reasons. (3)

17. Boats and aeroplanes are made in streamlined shape. Why?

OR

Give examples to show that friction is both a friend and a foe. (3)

18. What happens when,

a) Dilute sulphuric acid is poured on a copper plate?

b) Iron nails are placed in copper sulphate solution?

Write word and chemical equations for the above mentioned reactions.

OR

Give reasons, why :

- a) Aluminium foils are used to wrap food items.
- b) Copper is used in electrical wiring
- c) Sodium and potassium are stored in kerosene oil.

(3)

19. Gaurav ate aloo chaat during the lunch break from a street hawker. An hour later he felt ill and complained of stomach ache and started vomiting. His friend immediately took him to hospital. What could be the reason for Gaurav's condition? What are the values shown by his friend.

(3)

20. Give three reasons, why soil should be turned and loosened?

(3)

21. Explain why plastic containers are favoured for storing food.

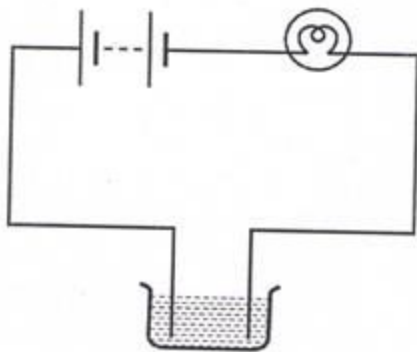
(3)

22. What are vaccines? How does a vaccine work?

(3)

23. Boojho made the circuit given in the figure and observed that the bulb did not glow.

List the possible reasons. Explain your answer.



(3)

24. a) Name the two contact forces.

b) A boy throws a ball upwards, but it comes down after sometime. Why? Which force is acting on the ball? What type of force is it and explain its nature.

(3)

Question numbers 25 to 30 carry 5 mark each.

25. What are Communicable Diseases? How can we prevent the following diseases?

- (i) Chicken pox (ii) Typhoid (iii) Hepatitis B

OR

- Briefly explain the usefulness of microorganisms in our lives. (5)
26. List different uses of metals that you come across in everyday life. (5)
27. Explain an activity to show the process of Electroplating.

OR

- Describe an activity to show that electric current can produce magnetic effect. (5)
28. 'Cells are the basic structural units of living organisms'. Explain.

OR

- Name the different parts of the nucleus and give the function of each part. (5)
29. What are the major groups of microorganisms? Draw one example from each group. (5)
30. Draw a systematic diagram of nitrogen cycle and explain it. (5)