

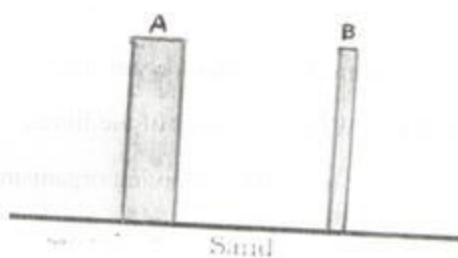
ST. ARNOLDS CENTRAL SCHOOL, PUNE  
TERM I EXAMINATION, 2017-18  
SUBJECT – SCIENCE

STD : VIII

M.M : 80

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1. In leaves, name the cell organelle and pigment that are responsible for green colour. (1)
  2. Define Animal Husbandary. (1)
  3. Give an example for unicellular and multicellular microorganisms. (1)
  4. Terrycot is made of two types of fibres. Write the names of the fibres. (1)
  5. Which non-metal, essential for our life is inhaled by all living organisms during breathing? (1)
  6. Write four characteristics of synthetic fibres which make them popular dress materials. (2)
  7. What are vaccines? How does a vaccine work? (2)
  8. You are given two materials; X and Y. On hammering, X is flattened, but Y breaks. Which one is a metal? Which property does it show? (2)
  9. Suggest a suitable word for each of the following statements. (2)
    - a) Chemicals added to food to prevent growth of microorganisms.
    - b) A disease caused by plant virus.
    - c) An agent which spreads pathogens from one place to another.
    - d) Chemicals that kill or stop the growth of pathogens.
  10. What happens when? (2)
    - a) Copper vessel is exposed to moist air for a long time.
    - b) Sulphur dioxide is dissolved in water.
  11. Why is it necessary to sow seeds at an appropriate depth and distance? (2)
  12. Why is it comfortable to lift a school bag with broad straps than thin straps? (2)
  13. Arrange the following elements in order of increasing reactivity. Sodium, Magnesium, Copper, Zinc. (2)
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14. Two rods of the same weight and equal length have different thickness. They are held vertically on the surface of sand as shown in Figure. Which one of them will sink more? Why? (2)



15. How can you contribute to the maintenance of green wealth of your locality? Make a list of actions to be taken by you. (3)
16. Write the chemical equations for the following reactions : (3)
- Reaction of Iron with dil. Sulphuric acid.
  - Reaction of Zinc with Coppersulphate.
  - Reaction between Magnesium oxide and water.
17. Give reasons for the following. (3)
- Fresh milk is boiled before consumption while processed milk stored in packets can be consumed without boiling.
  - Farmers prefer to grow beans and peas in nitrogen deficient soils.
  - Mosquitoes can be controlled by preventing stagnation of water though they do not live in water. Why?
18. Define Pressure. Write the relation between force and area. Why is it difficult to cut vegetables with a blunt knife? (3)
19. What are communicable diseases? How can you prevent the spread of communicable diseases? (3)
20. Explain the difference between thermoplastic and thermosetting plastics. (3)

21. You are given a piece of charcoal. How will you find out whether it forms basic oxide or acidic oxide? (3)
22. Observe the set up given in Figure and answer the following questions. (3)
- What happens to the sugar solution in bottle?
  - Which gas is released in the bottle?
  - Why does the balloon inflate?



23. Fill in the blanks with the terms given in the box below: (3)
- Nucleus, chromosomes, cell wall, cell membrane, protoplasm, cytoplasm, ribosome, cell organelles.

The outermost layer of plant cells is the \_\_\_\_\_ beneath which is the \_\_\_\_\_.

The term \_\_\_\_\_ refers to the jelly-like substance containing all the \_\_\_\_\_.

The \_\_\_\_\_ contains thread-like structures called \_\_\_\_\_.

24. Given below is a conversation between two farmers; Heera and Beera. (5)
- Heera : Brother Beera, your maize crops looks beautiful! They have grown pretty fast.
- Beera : Yes, I have sprayed urea this time. What about you?
- Heera : Well, I am still relying on good old cow dung. I am saving money for buying a tractor.
- Beera : That's good, Tractor saves a lot of time and labour.
- Heera : Yes, it's been very intensive labour for me and now these weeds have come up.
- Beera : Try weedicides, they are very effective.

Now answer the following questions.

- List the practices which are not environment friendly and why?
- What is the advantage of modern agriculture implements over traditional ones?
- Name one weedicide and the precaution farmers must take during its application.

25. List different uses of metals and non metals that you come across in everyday life. (5)
26. Explain a activity to show that liquids exert pressure on the walls of the container?  
Also show that at the same depth the pressure in a liquid is the same in all directions. (5)
27. What are the major groups of microorganisms? Draw any three microorganisms. (5)
28. Explain the reactions of metals and non-metals with (i) Acids (ii) Air (iii) Water. (5)
29. a) How are microorganisms beneficial to mankind? (5)
- b) Complete the Nitrogen cycle given below.

