



INDIAN SCHOOL DARSAIT
YEARLY EXAMINATION-MARCH 2018
SAMPLE QUESTION PAPER -2
SCIENCE

CLASS: VII

Max. Marks: 80

Time: 3 hours

General Instructions:

- (i) All questions are compulsory.
- (ii) Marks for each question are indicated against it.
- (iii) Questions 1 and 2 are very short answer questions and carry 1 mark each.
- (iv) Questions 3 to 11 are short answer questions and carry 2 marks each.
- (v) Questions 12 to 20 are long answer questions and carry 3 marks each.
- (vi) **Question number 21 is a value based question of three marks.**
- (vii) Question number 22 to 27 are long answer questions and carry 5 marks each.

- 1 Name any two modified underground stems which can propagate vegetatively. 1
- 2 The seeds and fruits of many plants become very light on drying up and develop thin, flat wings or tufts of hair. 1
What is the significance of the above mentioned features in some plants?
- 3 State the main difference between Pulmonary artery and Pulmonary vein. 2
- 4 Complete the word equations given below. 2
a) Iron + Copper sulphate \longrightarrow ----- + -----
b) Carbon dioxide + Lime water \longrightarrow ----- + -----
- 5 CFLs are preferred over electric bulbs. Why? 2
- 6 Select the odd one out. Give reason for your answer. 2
Vapourisation, Condensation, Melting of ice cubes, Burning of paper
- 7 a) Why is shearing usually done in summer? 2
b) What are the health hazards of silk production?
- 8 a) How do sneezing and coughing help protect our lungs? 2
b) Name the respiratory organ in (i) cockroach (b) earthworm.
- 9 What are neutral substances? Give one example. 2
- 10 Complete the analogy: 2
Lactic acid : Curd :: ----- : Spinach.
Tamarind : ----- :: Amla : Ascorbic acid

- 11 Give an example for a chemical change in which : 2
- a) there is a change in smell
 - b) sound is produced
 - c) heat energy is released
 - d) there is a change in colour

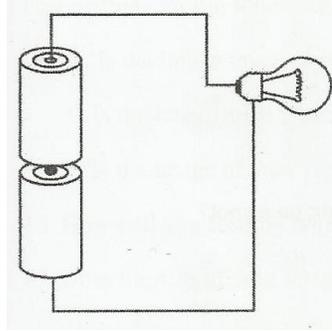
- 12 How does sexual reproduction take place in flowering plants? 3

- 13 GIVE REASON: 3
- a) We should not look at the sun through a convex lens.
 - b) Concave mirror is used in solar cookers.
 - c) Convex lens is used in magnifying glass.

OR

What happens when :

- a) Newton's disc is rotated at a high speed.
 - b) a ray of light falls on a face of a prism.
 - c) a parallel beam of light strikes on
 - (i) a convex lens
 - (ii) concave lens
- 14 a) Pooja noticed water being pulled up by a motor pump to an overhead tank of a five-storeyed building .She wondered how water moves up to great heights in tall trees standing next to the building. Can you help her to find the answer? 3
- b) Write the functions of xylem and phloem.
- 15 Convert the drawing of circuits into electrical circuit diagrams. 3



- 16 Describe the process of neutralization with the help of an example. 3

OR

- a) Write any three general properties of acids.
b) Write any three general properties of bases.

- 17 Write the correct sequence of processing fleece to fabric. 3
Sorting , Dyeing , Scouring , Spinning , Shearing , knitting.

- 18 Explain nutrition in amoeba with the help of a diagram 3

OR

Explain the process of digestion in grass eating animals.

- 19 a) What is the role of Pancreas in digestion? 3
b) Why does rice on chewing taste sweet?

- 20 a) What are tornadoes? 3
b) What are monsoon winds?
c) Give the different names by which a cyclone is known in different parts of the world.

- 21 a) Bhavik removes the fleece of his sheep in summer , so that the fleece grows again 3
before winter comes and his sheep do not feel cold. What value does he exhibit?

- b) How is silk extracted from cocoons?

- 22 What action should the public take when a cyclone occurs? 5

OR

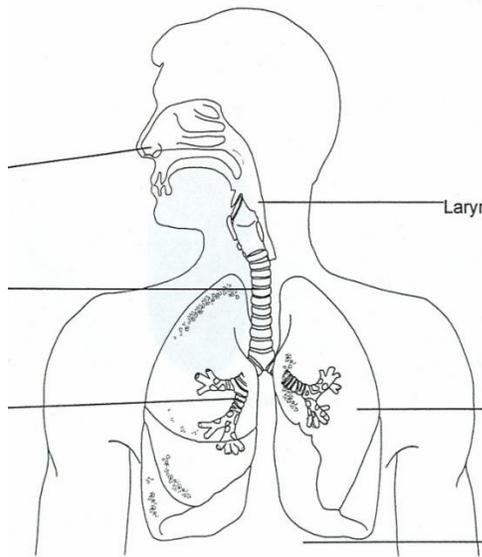
Describe the kind of destruction that a cyclone can cause.

- 23 a) What are the different types of pollination found in flowering plants? 5
 b) What is the benefit of colourful petals for plants?
 c) What are bisexual flowers? Give one example.

OR

Describe the following methods of asexual reproduction with suitable diagrams.

- a) Budding
 b) Fragmentation
- 24 a) Write any three uses of plane mirror. 5
 b) Write any two uses of convex mirrors.
- 25 Explain the process of excretion in human beings with a labelled diagram. 5
- 26 (a) Label the parts of the respiratory system shown on the diagram.



- (b) Differentiate between inhalation and exhalation 5
- 27 Write a note on 5
 a) Overloading
 b) Short circuit
 c) Electric fuse
 d) Expand MCB