



INDIAN SCHOOL DARSAIT
YEARLY EXAMINATION-MARCH 2018
SAMPLE QUESTION PAPER -1
SCIENCE

CLASS: VII

Max. Marks: 80

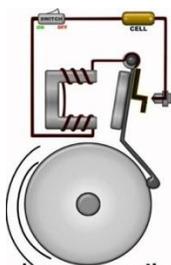
Time: 3 hours

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.

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|---|--|---|
| 1 | Give two functions of stomata. | 1 |
| 2 | Why are white blood cells called soldiers of our body? | 1 |
| 3 | State the main difference between asexual and sexual reproduction. | 2 |
| 4 | Select the odd one out. Give reason for your answer. | 2 |

Electric bell



Hot plate



Electric iron



Electric kettle



- | | | |
|---|---|---|
| 5 | When baking soda is mixed with lemon juice, bubbles are formed with evolution of gas. What type of change is it? Justify your answer. | 2 |
| 6 | Give a word equation to show the reaction between
a) Magnesium and oxygen
b) Magnesium oxide and water | 2 |
| 7 | a) What do you mean by reeling of silk?
b) Why do sheep have a thick coat of fur? | 2 |

- 8 What is meant by cellular respiration? 2
- 9 Slaked lime is added to the industrial waste before it is discharged into the river. Why? 2
- 10 Give the chemical name of 2
a) Baking soda
b) Vinegar
- 11 a) Define galvanization. 2
b) How stainless steel is made?
- 12 What are the various methods of natural vegetative propagation? 3
- 13 Differentiate between arteries and veins. 3
- 14 State any three characteristics of image formed in a plane mirror. 3
- OR
- State the characteristics of image formed by a convex lens.
- 15 Write any three uses of electromagnets. 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 Explain the life history of silk moth. 3
- 18 How do we obtain wool from sheep? 3
- 19 a) What are villi? 3
b) Write its functions.
c) How do we get instant energy from glucose?
- OR
- a) What is the function of saliva?
b) Why digestion is important?
- 20 What is thunderstorm and how is it formed? 3
- 21 Tarun's school organized a village trip. Tarun and his classmates noticed that some of the 3
children in the village did not have healthy gums and teeth.
a) What advice should Tarun and his class mates give to these children on how to keep
teeth and mouth clean?

b) What value can you learn from Tharun and his classmates?

22 What are the precautions to be taken if a storm is accompanied by lightening? 5

OR

What precautions should you take if you are living in a cyclone hit area?

23 Explain the working of electric bell. 5

24 Explain the mechanism of breathing in humans. 5

OR

Explain the process of breathing in cockroach and fish.

25 a) What is meant by dispersion of light? 5

b) With the help of diagram, write an activity to show that sunlight consists of seven colours.

26 Draw a labelled schematic diagram of blood circulation. 5

27 a) Describe the various ways by which seeds are dispersed. 5

b) Identify the seed/fruit which is dispersed by wind.



Xanthium



Maple