

2019
CLASS - VIII
SCIENCE

Total marks : 80

Time : 3 hours

General instructions:

- i) Approximately 20 minutes is allotted to read the question paper and revise the answers.
- ii) The question paper consists of six(6) categories of questions.
- iii) All questions are compulsory.
- iv) Internal choice has been provided in some questions.
- v) Marks allocated to every question are indicated against it.

N.B: Check that all pages of the question paper is complete as indicated on the top left side.

A. Choose the most appropriate answer from the given alternatives:

1. Which of the following is a Kharif crop? 1
(i) Pea (ii) Gram
(iii) Paddy (iv) Mustard
2. Thermosetting plastic is 1
(i) polysterene (ii) bakelite
(iii) polythene (iv) polyvinyl chloride
3. Which of the following has the highest calorific value? 1
(i) Hydrogen (ii) Petrol
(iii) Kerosene (iv) Coal
4. The species which face high risk of extinction is 1
(i) Tiger (ii) Monkey
(iii) Dodo (iv) Squirrel
5. A tadpole develops into an adult frog by 1
(i) fertilization (ii) budding
(iii) embedding (iv) metamorphosis
6. The tendency of a liquid to resist its flow is 1
(i) viscosity (ii) surface tension
(iii) density (iv) drag
7. Which of the following is a good conductor of electricity? 1
(i) Salt water (ii) Distilled water
(iii) Pure water (iv) Oil
8. The right thing to do during lightning is to 1
(i) stand under a tall tree (ii) touch metallic objects
(iii) use umbrella (iv) keep sitting inside a vehicle
9. The least sensitive part of the retina is 1
(i) yellow spot (ii) blind spot
(iii) black spot (iv) dark spot

10. The branch of science that deals with the study of stars and other celestial objects is called 1
- | | |
|-----------------|----------------|
| (i) Biology | (ii) Astronomy |
| (iii) Geography | (iv) Ecology |

B. Fill in the blanks:

1. Bacillus form of bacteria has _____ shape. 1
2. The metal which is in liquid state at room temperature is _____. 1
3. The word 'cell' was coined by _____. 1
4. Due to _____ the sole of a shoe wears out. 1
5. The rainbow is formed by the _____ of sunlight. 1

C. Answer the following questions in one word or one sentence:

1. Name one disease caused by virus. 1
2. Give one use of petrol. 1
3. What is ignition temperature? 1
4. Why is reproduction important? 1
5. What is electrolysis of water? 1

D. Answer the following questions in about 10-20 words:

6. List any four methods of preserving food. 4×½=2
7. Draw a labelled diagram of a candle flame showing the different zones of flame. 2
8. Define adolescence. What is the age period of adolescence in a child? 1+1=2
9. Why is it easier to cook food in a pressure cooker? 2
10. State two methods to reduce friction. 2×1=2
11. Differentiate between musical sound and noise. 1+1=2
12. Write any two actions to be taken during earthquakes. 2×1=2
13. State the two laws of reflection of light. 2×1=2
14. Give two applications of artificial satellites. 2×1=2
15. What is greenhouse effect? 2

E. Answer the following questions in about 30-40 words:

16. Write three factors which are to be taken care of while sowing seeds. 3×1=3
17. a. Explain the process of refining of petroleum. 3
Or
b. Explain the process of formation of coal.
18. Write one function for each of the following: 3×1=3
(i) Cell wall (ii) Mitochondria (iii) Nucleus
19. a. Draw the life cycle of a mosquito and label the stages. 3
Or
b. Draw the life cycle of a butterfly and label the stages.
20. Differentiate between internal and external fertilization. 1½+1½=3
21. What are the various effects of force? Give three points. 3×1=3
22. What is electroplating? Write two advantages of it. 1+2=3
23. a. Write any three harmful effects of polluted air. 3×1=3
Or
b. Write any three harmful effects of polluted water.

F. Answer the following questions in about 50-60 words:

24. What are plastics? Give reasons why: 1+1½+1½=4
(i) Electric wires have a plastic covering.
(ii) Cooking utensils have plastic handles.
25. a. Define corrosion. Write any three methods of prevention of corrosion. 1+3=4
Or
b. What are noble metals? Give any three uses of noble metals.
26. What is biodiversity? Write any three reasons for biodiversity loss. 1+3=4
27. a. Write any two health hazards caused due to noise. How can we control noise? Write any two points. 2+2=4
Or
b. Name the three main parts of the human ear and explain their role in hearing. (1½+2½=4)
