

2021
CLASS – VIII (Phase-2)
SCIENCE

Total marks : 40

Time : 1½ hours

General instructions:

- i) *Approximately 10 minutes is allotted to read the question paper and revise the answers.*
- ii) *The question paper consists of 16 questions in 6 categories.*
- iii) *Internal choice has been provided in some questions. A student has to attempt only one of the alternatives in such questions.*
- iv) *Alternate question for the visually impaired students are provided in some questions. **Only the visually impaired students have to attempt such alternate questions.***
- v) *Marks allocated to every question are indicated against it.*

N.B: *Check to ensure that all pages of the question paper are complete as indicated on the top left side.*

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

- a. Which of the following is an antibiotic? **1**
 - (i) Sodium bicarbonate
 - (ii) Streptomycin
 - (iii) Alcohol
 - (iv) Yeast

- b. The metals that produce ringing sounds are said to be **1**
 - (i) malleable
 - (ii) sonorous
 - (iii) lustrous
 - (iv) hard

- c. Which of the following is a poor conductor of electricity? **1**
 - (i) Lemon juice
 - (ii) Vinegar
 - (iii) Salt water
 - (iv) Distilled water

- d. The instrument used to measure the magnitude of an earthquake is **1**
 - (i) Altimeter
 - (ii) Seismograph
 - (iii) Richter scale
 - (iv) Ammeter

- e. Splitting of light into its constituent colours is known as **1**
 - (i) dispersion
 - (ii) lateral inversion
 - (iii) reflection
 - (iv) refraction

2. Fill in the blanks:

- a. _____ is used for commercial production of alcohol and wine. **1**
- b. The outer zone of complete combustion (blue) of a flame is the _____ part. **1**
- c. Species found only in a particular area is known as _____ . **1**
- d. Friction depends on the _____ of surfaces. **1**

Answer the following questions in one word or one sentence:

- 3. Name the unit in which the calorific value of a fuel is expressed. **1**
- 4. Mention one situation that will happen if we go on cutting trees. **1**
- 5. Give one method to increase friction. **1**
- 6. What is electroplating? **1**

Answer the following questions in about 10-20 words:

- 7. Mention two conditions under which combustion can take place. **2**
- 8. Differentiate between flora and fauna. **2**
- 9. What is metamorphosis? Give one example. **2**
- 10. Explain why sliding friction is less than static friction. **2**
- 11. Suggest two measures to protect oneself from earthquake when at home. **2**

Answer the following questions in about 30-40 words:

- 12. a. Write three benefits of microorganisms in human lives. **3**
Or
b. Write three harmful effects of microorganisms.
- 13. Draw a circuit diagram to show conduction of electricity in lemon juice or vinegar. **3**

Alternate question for the visually impaired students:

Is it safe for the electrician to carry out electrical repairs outdoors during heavy downpour? Explain why. **(3)**

14. a. Explain how one can take care of one's eyes.

Or

3

b. Explain any three different parts of the human eye.

Answer the following questions in about 50-60 words:

15. a. Write any four physical properties of metals. Give four uses of metals.

Or

2+2= 4

b. Write any four differences between metals and non-metals on the basis of their physical properties.

16. Describe with diagrams any two methods of asexual reproduction in animals. **4**

Alternate question for the visually impaired students:

Describe the process of fertilization in human beings. **(4)**
