

2021
CLASS – VIII (Phase-1)
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. Separation of the grains from the chaff is called | 1 |
| (i) winnowing | (ii) leveling |
| (iii) threshing | (iv) sowing |
| b. Process of separation of different constituents from petroleum is called | 1 |
| (i) lubrication | (ii) extraction |
| (iii) refining | (iv) distillation |
| c. The right meal for adolescents consists of | 1 |
| (i) chips, noodles, coke | (ii) chapatti, dal, vegetables |
| (iii) rice, noodles, burger | (iv) vegetable cutlets, chips, juice |
| d. The force acting on a unit area of a surface is called | 1 |
| (i) friction | (ii) pressure |
| (iii) gravity | (iv) frequency |
| e. For human ears, the audible range is | 1 |
| (i) below 20Hz | (ii) above 20,000Hz |
| (iii) between 20Hz – 20,000Hz | (iv) between 20Hz – 2000Hz |

2. Fill in the blanks:

- | | |
|---|----------|
| a. The cutting of crop after it is matured is called _____ . | 1 |
| b. _____ plastic is used in making the uniform of fire men. | 1 |
| c. Endocrine glands release hormones into the blood stream to reach a particular body part called _____ . | 1 |
| d. Water which is suitable for drinking is called _____ water. | 1 |

Answer the following questions in one word or one sentence:

- | | |
|---|----------|
| 3. Write any two characteristics of synthetic fibres. | 1 |
|---|----------|

- 4. What is atmospheric pressure? 1
- 5. In which part of the sky can Venus be found, if it is visible as an evening star? 1
- 6. Name the pollutant responsible for damage of ozone layer in the atmosphere. 1

Answer the following questions in about 10-20 words:

- 7. Write two differences between thermoplastic and thermosetting plastic. 2
- 8. Write a short note on the nucleus of a cell. 2
- 9. Define adolescence. What is the age period of adolescence in a child? 2
- 10. What are artificial satellites? Give one application of artificial satellite. 2
- 11. Mention any two different ways in which water gets contaminated. 2

Answer the following questions in about 30-40 words:

- 12. a. Explain the process of formation of petroleum. 3

Or

b. Explain how coal is formed from dead vegetation.
- 13. Draw the structure of an animal cell and label any four parts. 3

Alternate question for visually impaired students:

Mention any three differences between an animal and a plant cell. (3)

- 14. a. In the following situations, identify the agent exerting the force and object on which it acts. State the effect of the force in each case:
 - (i) Squeezing a piece of lemon between the fingers to extract its juice.
 - (ii) Taking out paste from a toothpaste tube.
 - (iii) An athlete making a high jump to clear the bar at a certain height.

Or

3
- b. In the following situations, identify the actions as a pull or a push:
 - (i) Moving a book placed on a table.
 - (ii) A football player taking a penalty kick.
 - (iii) Opening a door.

Answer the following questions in about 50-60 words:

- 15. Describe two methods of irrigation which conserve water. 4
- 16. a. Mention any four harmful effects of noise pollution. 4

Or

b. Mention any four sources of noise pollution in towns.
