

2021
CLASS – IX (Phase-1)
Automotive (Vocational)

Total marks: 25

Time: 1 hour

General instructions:

- i) *Approximately 5 minutes is allotted to read the question paper and revise the answers.*
- ii) *All questions are compulsory.*
- iii) *The question paper consists of 12 questions.*
- iv) *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 correct answer from the given alternatives: 5x1=5

- a. Who among the following was the inventor of the first patented car?
(a) Ratan Tata (b) Ransom Olds
(c) Karl Benz (d) Henry Ford
- b. The body of a truck is fixed to the chassis with the help of
(a) I or U bolts (b) gun metal
(c) rivet (d) threaded bolt
- c. What is the minimum age for driving a vehicle with a permanent license?
(a) 17 years (b) 18 years
(c) 19 years (d) 20 years
- d. Speaking and writing are examples of
(a) asking information (b) channel of information
(c) receiving information (d) giving information
- e. Knowing yourself as an individual is
(a) positive thinking (b) self-awareness
(c) self-control (d) self-confidence

Answer the following questions in one word or one sentence:

- 2. Name the oldest car manufacturing industry in India. **1**
- 3. What is an engine? **1**
- 4. What is a blind spot? **1**
- 5. Write any two steps to personal hygiene. **1**

Answer the following questions in 20-50 words:

- 6. What is a wheel? Write one example. **1+1=2**
- 7. Distinguish between passenger and commercial vehicles. **2**
- 8. List any four properties of lubricants. **2**
- 9. Mention any four principles of effective communication. **2**

Answer *any two* from the following questions in 60-100 words:

10. Write the four broad categories of vehicles and briefly explain any one of them. 2+2=4
11. Briefly explain any four different components of an engine. 4
12. Draw any four typical cautionary traffic signs and write their meaning. 2+2=4
