

**NAVODAYA VIDYALAYA SAMITI**  
**PRE BOARD EXAM (SESSION 2025-26)**  
**PRE BOARD-02**



**CLASS : X**

**TOTAL MARKS : 50**

**SUBJECT : AUTOMOTIVE (CODE- 404)**

**TIME** : 2 Hours.

### **General Instructions :**

- (i) Please read the instructions carefully.
- (ii) This question paper consists of 21 questions in two sections : Section A & Section B.
- (iii) Section-A has Objective Type Questions whereas Section B contains Subjective type questions.
- (iv) Out of the given  $(5 + 16 =)$  21 questions, a candidate has to answer  $(5 + 10 =)$  15 questions in the allotted (maximum) time of 2 hours.
- (v) All questions of a particular section must be attempted in the correct order.

## **SECTION-A – OBJECTIVE TYPE QUESTIONS (24 MARKS)**

**1. Answer any 4 out of the given 6 questions on Employability skills.**

$$4 \times 1 = 4$$

**(i) Unmanaged stress can make you feel worried and sad, which can harm your health.** . 1

(ii) A paragraph is a group of sentences that are connected and talk about . 1

(iii) helps people think about future results instead of just short feelings. 1

**(a) Self-awareness (b) Self-motivation (c) Self-creativity (d) Self-regulation**

(iv) \_\_\_\_\_ means changing how text looks in a document using different fonts, colors, and sizes. 1

(v) Entrepreneurs use things and people near them to make products \_\_\_\_\_. 1

(a) at higher cost      (b) at low cost      (c) attractive      (d) a high quality

(vi) The non-living part of the environment called lithosphere is the \_\_\_\_\_.

**2. Answer any 5 out of the given 6 questions.**

**5 x 1 = 5**

**(i) \_\_\_\_\_ helps make bumpy roads feel smoother and keeps the car safe. 1**

(a) Transmission system    (b) Steering system    (c) Braking system    (d) Suspension system

**(ii) In a 4 x 4 drive vehicle, there are 4 wheels and \_\_\_\_\_ drive the vehicle. 1**

(a) one of them    (b) three of them    (c) all of them    (d) none of them

**(iii) What book comes with every new car to help with its care? 1**

**(iv) The spinning motion from the transmission goes to the back wheels through the \_\_\_\_\_. 1**

(a) flywheel    (b) propeller shaft    (c) auxiliary shaft    (d) counter shaft

**(v) Lubricant helps to lower \_\_\_\_\_ and stop parts from wearing out. 1**

(a) friction    (b) power    (c) efficiency    (d) load

**(vi) Steering gear changes the turning of the wheel into back-and-forth motion of the \_\_\_\_\_. 1**

(a) drag link    (b) drop arm    (c) pull and push rod    (d) cross shaft

**3. Answer any 5 out of the given 6 questions.**

**5 x 1 = 5**

**(i) Name the tools used to tighten or loosen nuts and bolts. 1**

**(ii) A hand tool for cutting or chipping metal is called a \_\_\_\_\_. 1**

(a) Plier    (b) Hand hacksaw    (c) File    (d) Chisel

**(iii) A hydrometer is made of glass with a stem and a \_\_\_\_\_. 1**

(a) bulb weighted    (b) float    (c) valve    (d) weightless bulb

**(iv) A tool to measure how fast an engine is running is called a \_\_\_\_\_. 1**

(a) Voltmeter    (b) Multimeter    (c) Hydrometer    (d) Tachometer

**(v) A machine that makes parts smooth and exact in size is a \_\_\_\_\_ machine. 1**

(a) cutting    (b) grinding    (c) drilling    (d) winding

**(vi) Cars are tested in special places to check how they work in \_\_\_\_\_ weather. 1**

(a) perfect    (b) normal    (c) extreme    (d) frequent operating

**4. Answer any 5 out of the given 6 questions.**

$$5 \times 1 = 5$$

(i) In automatic car wash, cleaning happens along with \_\_\_\_\_. 1

(a) foam washing      (b) testing      (c) dry washing      (d) maintance

## **(ii) Why do cars need an air filter? 1**

(iii) Change car coolant every two years, but some cars differ based on the \_\_\_\_\_ used. 1

(a) radiator    (b) coolant    (c) water pump    (d) engine oil

**(iv) How long do most consumer electronics last? 1**

(v) If a car has run 4000 to 15000 km, you need to . 1

(a) top up the engine oil      (b) change the oil filter      (c) change the engine oil      (d) clean the oil filter

(vi) Some cars need to remove fuel parts when changing fuel filter. 1

(a) ring spanner      (b) spanners    (c) special tools      (d) plier

**5. Answer any 5 out of the given 6 questions.**

$$5 \times 1 = 5$$

(i) Two key parts of good body language are \_\_\_\_\_.

**(a) Communication and Eye contact**      **(b) Smiling and Cheering**

(c) Explanation and Smiling (d) Smiling and Eye contact

(ii) A car salesperson should . 1

(a) explains fully the performance of product, application and benefits (b) ensure good maintenance

(c) issues driving license (d) arranges tours and guides

(iii) Why do car makers spend a lot on research and development? 1

(iv) Cars that use both electricity and petrol are called hybrid cars. 1

(v) Testing cars in weather labs copies conditions. 1

(a) overheating (b) monsoon and wind storm

(c) inclement weather      (d) temperature and pressure

**(vi) A big part of customer service is the \_\_\_\_\_ . 1**

(a) provision of pre-sale service      (b) good servicing      (c) feel good factor    (d) proper maintenance

### **SECTION-B – SUBJECTIVE TYPE QUESTIONS (26 MARKS)**

**Answer any 3 out of the given 5 questions on Employability Skills.**

**Answer each question in 20-30 words.**

**$3 \times 2 = 6$**

6. What is Communication ? what are the types ? 2

7. How does yoga help with stress? 2

8. What is Sustainable development . 2

9. Write names of operating system in computers? 2

10. Name three qualities of a good entrepreneur. 2

**Answer any 4 out of the given 6 questions in 20-30 words each.**

**$4 \times 2 = 8$**

11. Write According to the fitting of engine the classification of Chassis . 2

12. List the different part of the vehicle body? 2

13. Why are measuring tools important in a car workshop? 2

14. How to safely throw away old engine oil and filter? 2

15. How does a car salesperson promise good service to customers? 2

16. What is a hybrid drive train? 2

**Answer any 3 out of the given 5 questions in 50-80 words each.**

**$3 \times 4 = 12$**

17. Write a Properties of a good lubricant. 4

18. What are the steps to be followed for manual washing of a vehicle? 4

19. List the Names measuring tools and explain a caliper. 4

20. What is a Job role of Automobile Sales Person? 4

21. Rohit needs to list **5 new car safety features** in a new car model and explain **night vision assist**.  
Do it for him. 4