

# CBSE DEPARTMENT OF SKILL EDUCATION

## AUTOMOTIVE

SUBJECTCODE-404

### Sample Question Paper for Class-X

Session2025-26

**Max. Time: 2 Hours**

**Max. Marks: 50**

#### **PART-A:- EMPLOYABILITY SKILLS (10 MARKS)**

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANSWER TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	
1	Communication Skills-II	1	1	2
2	Self-Management Skills- II	2	1	3
3	ICT Skills-II	1	1	2
4	Entrepreneurial Skills- II	1	1	2
5	Green Skills-II	1	1	2
<b>TOTAL QUESTIONS</b>		<b>6</b>	<b>5</b>	<b>11</b>
<b>NO. OF QUESTIONS TO BE ANSWERED</b>		<b>Any 4</b>	<b>Any 3</b>	<b>07</b>
<b>TOTALMARKS</b>		<b>1 x4=4</b>	<b>2 x3=6</b>	<b>10 MARKS</b>

#### **PART-B:- SUBJECT SPECIFIC SKILLS (40 MARKS)**

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANSWER TYPE QUESTIONS	DESCRIPTIVE/ LONG ANS. TYPE QUESTIONS	TOTAL QUESTIONS
		1MARK EACH	2 MARKS EACH	4 MARKSEACH	
1	Automobile and its components	4	1	1	6
2	Tools	5	1	1	7
3	Vehicle Servicing	4	1	1	6
4	Customer Sales Care	4	1	1	6
5	Innovation and Development	4	1	1	7

<b>6</b>	Reading of service manual	2	1	-	3
<b>TOTAL QUESTIONS</b>		<b>24</b>	<b>6</b>	<b>5</b>	<b>35</b>
<b>NO.OF QUESTIONS TO BE ANSWERED</b>		<b>20</b>	<b>Any 4</b>	<b>Any 3</b>	<b>27</b>
<b>TOTAL MARKS</b>		<b>1 x20=20</b>	<b>2 x4=8</b>	<b>4 x3=12</b>	<b>40 MARKS</b>

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## AUTOMOTIVE

SUBJECT CODE - 404

### **Sample Question Paper for Class-X Session-2025-26)**

**Max. Time: 2 Hours**

**Max. Marks: 50**

#### **General Instructions:**

1. Please read the instructions carefully.
2. This Question Paper consists of **21 questions** in two sections: Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. 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.
5. All questions of a particular section must be attempted in the correct order.

#### **6. SECTION-A:- OBJECTIVE TYPE QUESTIONS ( 24 MARKS)**

- i. This section has 05 questions.
- ii. Marks allotted are mentioned against each question/part.
- iii. There is no negative marking.
- iv. Do as per the instructions given.

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

- v. This section has 16 questions.
- vi. A candidate has to do 10 questions.
- vii. Do as per the instructions given.
- viii. Marks allotted are mentioned against each question/part.

## **SECTION-A:- OBJECTIVE TYPE QUESTIONS**

<b>Q. 1</b>	<b>Answer any 4 out of the given 6 questions on Employability Skills (1x4 =4 marks)</b>	
<b>i.</b>	In "ABC" of stress management, "A-Adversity stands for_____. a. Have a joyful life. b. The stressful event c. The way you respond to the event d. Actions and out comes of the event	<b>1</b>
<b>ii.</b>	Yoga is practiced to achieve control of_____. a. Mind b. Body and mind c. Muscles d. Bones	<b>1</b>
<b>iii.</b>	Which of the following is pronoun? a. Red b. Them c. Rock d. Carefully	<b>1</b>
<b>iv.</b>	By default, Windows 7 has a picture for the desktop background. Name That picture.	<b>1</b>
<b>v.</b>	In Which type of entrepreneurship, research is conducted to completely define a specific and core collective problem ? a. Women b. Social c. Agricultural d. Small Scale	<b>1</b>
<b>vi.</b>	As per Collins English Dictionary,, the ability to be maintained at a steady level" is _____. a. Productivity b. Reliability c. Availability d. Sustainability	<b>1</b>

<b>Q. 2</b>	<b>Answer any 5 out of the given 6 questions (1x5 =5 marks)</b>	
<b>i.</b>	In which design of chassis is the whole engine installed in the driver cabin ? a. Bus chassis b. Mono chassis c. Full forward chassis d. Semi forward chassis	<b>1</b>
<b>ii.</b>	Which of the following welding techniques is used to combine the body structural assemblies into an integrated shell ? a. Electric spot welding b. Soldering c. Electric arc welding d. Oxy-acetylene gas welding	<b>1</b>
<b>iii.</b>	Define engine torque ?	<b>1</b>

<b>iv.</b>	SAE-20, SAE-30, SAE-50 all are classified as _____ oils. a. Gear b. Natural c. Multi grade d. Mono grade	<b>1</b>
<b>v.</b>	Which of the following percentage of fuel energy is lost in exhaust gases ? a. 35% b. 5% c. 15% d. 25%	<b>1</b>
<b>vi.</b>	Choose the element that has the greatest influence on gradient resistance. a. Mass of the vehicle b. Material of the road surface c. Quality of the road surface d. Material and design of tyre tread	<b>1</b>

<b>Q. 3</b>	<b>Answer any 5 out of the given 6 questions (1x5 = 5 marks)</b>	
<b>i.</b>	Name the equipment used for lifting an automobile and carry out the work under the chassis.	<b>1</b>
<b>ii.</b>	Choose the special tool in given option. a. Fixed tool b. Tools wrench c. Hammer d. Universal clutch holding tool	<b>1</b>
<b>iii.</b>	Normally, wheel _____ helps in minimizing tire vibration and bounce. a. Rotation b. Size c. Balancing d. Alignment	<b>1</b>
<b>iv.</b>	Out of the following applications the rotary screw air compressor become the most preferred source of compressed air? a. Domestic applications b. Marine applications c. Automotive applications d. Industrial applications	<b>1</b>
<b>v.</b>	Choose the tool used to precisely apply a specific twisting force to a fastener. a. Torque wrench b. Open-ended wrench c. Pneumatic wrench d. Adjustable wrench	<b>1</b>
<b>vi.</b>	While checking the engine oil of a car, the hand brake ___and the engine are suggested. a. Off, off b. On, on c. On, off d. Off, on	<b>1</b>

<b>Q.4</b>	<b>Answer any 5 out of the given 6 questions (1x5 = 5 marks)</b>	
<b>i.</b>	It is advised to clean the side walls of tyres with _____. a. Steel wool b. Plastic brush c. Wire brush d. Cloth	<b>1</b>
<b>ii.</b>	Vikash is an auto mechanic, which manual he will refer for vehicle servicing.	<b>1</b>
<b>iii.</b>	Owner manual does not consist of following information a. Information of dashboard b. Information of vehicle feature c. Procedure of vehicle service d. Procedure to dismantle of engine	<b>1</b>
<b>iv.</b>	Mention any two characteristics that an ideal engine coolant should Have in it.	<b>1</b>
<b>v.</b>	Pick the employees who will help consumers with the purchase or maintenance of their vehicles. a. Technician b. Dealership manager c. Customer service executive d. Service Advisor	<b>1</b>
<b>vi.</b>	Which of the following results from a positive customer relationship? a. A good sale for the outlet b. Tension for the executive c. Headache for the outlet d. Repeated complaints to the outlets	<b>1</b>

<b>Q. 5</b>	<b>Answer any 5 out of the given 6 questions (1x5 = 5 marks)</b>	
<b>i.</b>	Choose the employee that never leaves a customer with an unanswered query. a. Customer service executive b. Technician c. Service Advisor d. Dealership manager	<b>1</b>
<b>ii.</b>	A customer service professional or a sales executive dealer may also be called. a. Expert technician b. Information expert c. Sales manager d. Service advisor	<b>1</b>
<b>iii.</b>	Give the temperature range that automotive micro processors must With stand.	<b>1</b>
<b>iv.</b>	Select the correct complete form of the SAE. a. Society of Automatic Engineering b. Society of Artificial Intelligence Engineers c. Society of Automotive Engineers d. Society of Automobile Engineering	<b>1</b>
<b>v.</b>	Innovation leads to _____ of a technology. a. Deterioration b. Descent c. Development d. Degradation	<b>1</b>

vi.	Bringing a new model of a car to market often takes this much time in laboratories. a. 5-7years b. 6-9months c. 1-2years d. 2-3years	1
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## **SECTION-B:- SUBJECTIVE TYPE QUESTIONS**

**Answer any 3 out of the given 5 questions on Employability Skills (2x3 = 6 marks)**

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

Q. 6	Enlist 7C"s of Communication.	2
Q. 7	Enlist any two advantages of stress management.	2
Q. 8	Name any two ways by which a computer can get infected with virus.	2
Q. 9	List any two positive impacts of entrepreneurship on society.	2
Q. 10	What is 4Rs" and 1Uof Sustainability ?	2

**Answer any 4 out of the given 6 questions in 20–30 words each (2x4 = 8 marks)**

Q. 11	Write contents of service manual.	2
Q. 12	Enlist any two functions of the front axle of RWD automobile.	2
Q. 13	Write any two advantages of using special tools in automobile Workshops.	2
Q. 14	List the various precautionary measures that must be taken when Washing an automobile.	2
Q. 15	In your own words ,illustrate the usefulness of the term "Anticipate Guest Needs."	2
Q. 16	Address at least two advancements in the area of alternative fuels.	2

**Answer any 3 out of the given 5 questions in 50–80 words each (4x3= 12 marks)**

Q. 17	Explain the discharging and charging action of a lead-acid battery.	4
Q. 18	Write the uses of the following special tools/equipment: a. Universal clutch holding tool b. Flywheel puller c. Pneumatic wrench d. Two post lift	4
Q. 19	Explain the importance of changing engine coolant.	4
Q. 20	Alfred was picked for an interview for the position of salesperson in an automobile dealership. The interviewer asked him to tell ( <b>any four</b> ) areas in which he is valuable to the organization as a salesperson. Explain.	4
Q. 21	Give a brief explanation of recent advances in automobile safety technologies. Name four features that are linked to it.	4