

# CBSE: DEPARTMENT OF SKILL EDUCATION

## AUTOMOTIVE (SUBJECT CODE: 404)

CLASS IX (SESSION 2021 – 2022)

BLUE - PRINT FOR SAMPLE QUESTION PAPER (FOR TERM – II)

Max. Time Allowed: 2 Hours

Max. Marks: 25

### PART – A: EMPLOYABILITY SKILL (05 MARKS):

UNIT NO.	NAME OF THE UNIT	NO. OF QUESTIONS			TOTAL NUMBER OF QUESTIONS
		VSA (1 MARK EACH)	SA (2 MARKS EACH)	LA (4 MARKS EACH)	
4	Entrepreneurial Skills - I	2	1	-	3
5	Green Skills - I	2	1	-	3
<b>TOTAL QUESTIONS</b>		<b>04</b>	<b>02</b>	<b>-</b>	<b>06</b>
<b>NO. OF QUESTIONS TO BE ANSWERED</b>		<b>Any 03</b>	<b>Any 01</b>	<b>-</b>	<b>04</b>
<b>TOTAL MARKS</b>		<b>3 X 1 = 3 marks</b>	<b>1 X 2 = 2 Marks</b>	<b>-</b>	<b>05 Marks</b>

### PART – B: SUBJECT SPECIFIC SKILL (20 MARKS):

UNIT NO.	NAME OF THE UNIT	NO. OF QUESTIONS				TOTAL NUMBER OF QUESTIONS
		VSA (1 MARK EACH)	SA – I (2 MARKS EACH)	SA – II (3 MARKS EACH)	LA (4 MARKS EACH)	
3	Major Systems & Components of an Automobile	2	2	-	1	05
4	Road Safety	2	2	-	1	05
5	Automobiles and our Environment	2	2	-	1	05
<b>TOTAL QUESTIONS</b>		<b>06</b>	<b>06</b>	<b>-</b>	<b>03</b>	<b>15</b>
<b>NO. OF QUESTIONS TO BE ANSWERED</b>		<b>Any 04</b>	<b>Any 04</b>	<b>-</b>	<b>Any 02</b>	<b>10</b>
<b>TOTAL MARKS</b>		<b>4 X 1 = 4 Marks</b>	<b>4 X 2 = 8 Marks</b>	<b>-</b>	<b>2 X 4 = 8 Marks</b>	<b>20 Marks</b>
<b>GRAND TOTAL</b>		<b>05 + 20 = 25 Marks (Part A+ Part B)</b>				

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## AUTOMOTIVE (SUBJECT CODE 404)

### CLASS IX (SESSION 2021-2022) SAMPLE QUESTION PAPER FOR TERM - II

Max. Time Allowed: 2 Hours

Max. Marks: 25

#### General Instructions:

- Please read the instructions carefully
- This Question Paper is divided into **03 sections**, viz., Section A, Section B and Section C.
- Section A is of 05 marks and has 06 questions on Employability Skills.**
  - Questions numbers **1 to 4 are one mark** questions. Attempt any three questions.
  - Questions numbers **5 and 6 are two marks** questions. Attempt any one question.
- Section B is of 12 marks and has 12 questions on Subject Specific Skills.**
  - Questions numbers **7 to 12 are one mark** questions. Attempt any four questions.
  - Questions numbers **13 to 18 are two marks** questions. Attempt any four questions.
- Section C is of 08 marks and has 03 competency-based questions.**
  - Questions numbers **19 to 21 are four marks** questions. Attempt any two questions.
- Do as per the instructions given in the respective sections.
- Marks allotted are mentioned against each section/question.

### SECTION A

(3 + 2 = 5 marks)

<b>Answer any 3 questions out of the given 4 questions. Each question is of 1 mark.</b>		<b>1 x 3 = 3</b>
<b>Q.1</b>	Define Hybrid Business with one example.	<b>1</b>
<b>Q.2</b>	What is Sole Proprietorship?	<b>1</b>
<b>Q.3</b>	What is the objective of Green Economy?	<b>1</b>
<b>Q.4</b>	Define Renewable Energy.	<b>1</b>
<b>Answer any 1 question out of the given 2 questions. Each question is of 1 mark.</b>		<b>2 x 1 = 2</b>
<b>Q.5</b>	Name any two elements of entrepreneurship. Explain them in brief.	<b>2</b>
<b>Q.6</b>	Make a list of main sectors of green economy.	<b>2</b>

**SECTION B****(4 + 8 = 12 marks)**

<b>Answer any 04 questions out of the given 06 questions</b>		<b>1 x 4 = 4</b>
<b>Q.7</b>	Name the component of the cooling system which helps to increase the pressure inside the radiator and raise the boiling point of coolant.	<b>1</b>
<b>Q.8</b>	Why the slip joint is provided in the propeller shaft?	<b>1</b>
<b>Q.9</b>	Define the Blind Spot for a driver while driving a vehicle.	<b>1</b>
<b>Q.10</b>	What is the minimum age to apply for a driving license to drive the two wheeler of above 50 cc engine capacity?	<b>1</b>
<b>Q.11</b>	Define pollutants.	<b>1</b>
<b>Q.12</b>	Since when the automotive manufacturers in India begin producing only BS-VI emission standards compliant vehicles?	<b>1</b>
<b>Answer any 04 questions out of the given 06 questions</b>		<b>2 x 4 = 8</b>
<b>Q.13</b>	What are the functions of tyres?	<b>2</b>
<b>Q.14</b>	Enlist different functions of suspension system.	<b>2</b>
<b>Q.15</b>	Make a list of road safety tips for motorists.	<b>2</b>
<b>Q.16</b>	What are the various aspects which involves the Road Safety?	<b>2</b>
<b>Q.17</b>	Name different pollutants which are released from the automobiles.	<b>2</b>
<b>Q.18</b>	Suggest some other ways to control the pollution.	<b>2</b>

**SECTION C  
(COMPETENCY BASED QUESTIONS)****(2 x 4 = 8 marks)**

<b>Answer any 02 questions out of the given 03 questions</b>		
<b>Q.19</b>	Make a list of the requirements for a good clutch.	<b>4</b>
<b>Q.20</b>	Explain at least four systems (safety and security) provided by the manufacturers in modern automobiles.	<b>4</b>
<b>Q.21</b>	Explain the causes of automotive pollution and give at least two ways of reducing it.	<b>2+2</b>