

CBSE | DEPARTMENT OF SKILL EDUCATION CURRICULUM FOR SESSION 2020-2021

AUTOMOTIVE (SUBJECT CODE 404)

JOB ROLE: SALES EXECUTIVE DEALER

RATIONALIZED CURRICULUM FOR

CLASS-X FOR SESSION 2020-21

Total Marks: 100 (Theory-50 + Practical-50)

	UNITS	NO. OF HOURS for Theory and Practical 220	MAX. MARKS for Theory and Practical 100
Part A	Employability Skills		
	Unit 1 : Communication Skills-II	13	10
	Unit 2 : Self-Management Skills-II	07	
	Unit 3 : ICT Skills-II	13	
	Unit 4 : Entrepreneurial Skills-II	10	
	Unit 5 : Green Skills-II	07	
	Total	50	10
Part B	Subject Specific Skills		
	Unit 1: Automobile and its components	20	10
	Unit 2: Tools	10	06
	Unit 3: Vehicle Servicing	20	10
	Unit 4: Customer sales care	15	04
	Unit 5: Innovation and Development	15	06
	Unit 6: Reading of Service manual	10	04
	Total	90	40
Part C	Practical Work		
	Project	20	10
	Viva		05
	Practical File		15
	Demonstration of skill competency via Lab Activities	60	20
	Total	80	50
	GRAND TOTAL	220	100

NOTE: For Detailed Curriculum/ Topics to be covered under Part A: Employability Skills can be downloaded from CBSE website.

DETAILED CURRICULUM/ TOPICS:

Part-A: EMPLOYABILITY SKILLS

S. No.	Units	Duration in Hours
1.	Unit 1: Communication Skills-II	10
2.	Unit 2: Self-management Skills-II	10
3.	Unit 3: Information and Communication Technology Skills-II	10
4.	Unit 4: Entrepreneurial Skills-II	15
5.	Unit 5: Green Skills-II	05
	TOTAL DURATION	50

NOTE: For Detailed Curriculum/ Topics to be covered under Part A: Employability Skills can be downloaded from CBSE website.

Part-B – SUBJECT SPECIFIC SKILLS

S. No.	Units	Duration in Hours
1.	Unit 1: Digital Documentation (Advanced)	30
2.	Unit 2: Electronic Spreadsheet (Advanced)	38
3.	Unit 3: Database Management System	45
4.	Unit 4: Web Applications and Security	37
	TOTAL DURATION	150

UNIT	SESSION	TOPIC/ACTIVITY/ PRACTICAL
Unit 1: Automobile and its components	Session 1 : Chassis	Types of Chassis
	Session 2 : Body or Superstructure	Demonstration of Auto body
	Session 3 : Engine	Dismantling and assembly of petrol and diesel engine .
	Session 4 : Lubrication System	Demonstration of parts of lubrication system.
	Session 5 : Cooling System	Demonstration of water cooling system
	Session 6 : Fuel Supply System	Project on various types of fuel supply system.
	Session - 7: Transmission System*	• Types of Universal Joints
	Session - 8: Front Axle*	• Live & Dead front Axle • Types of arrangement of Front Axle • Rigid Axle Beam

***Note:- To be assessed in practicals only. No question shall be asked from this portion in Theory exams.**

UNIT	SESSION	TOPIC/ACTIVITY/ PRACTICAL
	Session 9 : Steering System	Demonstration of mechanical type steering system
	Session 10 : Rear Axle	Demonstration of differential and various types of gears used in final drive.
	Session 11:- Suspension System*	<ul style="list-style-type: none"> • Common problems of the suspension system & preventive measures
	Session 12 : Wheel and Tyres	Cut section of wheel
	Session 13 : Brakes	Demonstration of mechanical braking system.
	Session 14 : Electrical and Electronics System	Demonstration of lead acid battery with its all components.
Unit-2 Tools	Session 1 - Hand Tool*	<ul style="list-style-type: none"> • Demonstration of all Hand Tools
	Session 2 - Measuring Tools*	<ul style="list-style-type: none"> • Demonstration of Measuring Tools
	Session 3 - Electrical Tools*	<ul style="list-style-type: none"> • Demonstration of Electrical Tools
	Session 4 : Special Tools	Model of special tools
	Session 5 : Service Workshop Equipment	Working of air compressor and wheel balancing machine.
Unit-3 Vehicle Servicing	Session 1 : Washing of a Vehicle	Procedure for vehicle washing
	Session 2 : Changing of Oil and Oil Filter	Procedure for changing of oil and oil filter
	Session 3 : Changing of Air Filter	Procedure for changing Air Filter
	Session 4 : Changing of Fuel Filter	Procedure for changing Fuel Filter
	Session 5 : Changing of Coolant	Procedure for changing Coolant
Unit-4 Customer Sales Care	Session 1 : Customer Service	Dramatization of customer service
Unit-5 Innovation and Development	Session 1 : Innovation and Development	To make presentation on new innovations
Unit-6 Reading of Service manual	Session 1: Reading of Service manual	Use any owners and service manual.

***Note:- To be assessed in practicals only. No question shall be asked from this portion in Theory exams.**