

Monthly Allocation of Syllabus

Skill Subject:- Automobile

Duration-

Level-1

Class- 9TH

Month	No of working days	Title	No of teaching periods	No of Practical periods	No of Revision periods
April					
May					
June					
July	24	Unit-1 S-1 Invention of wheel S-2 Wheel cart S-3 Invention of Automobile S-4 Invention of Automobile Post world war 2 Unit-2 S-1 Two wheeler and three wheeler S-2 Passenger and commercial vehicles S-3 Agriculture Vehicles	22	14	9
Aug	24	Unit-2 S-4 Constructions equipment Vehicle S-5 Special Vehicles Unit-3 S-1 Chassis Frame and body S-2 Engine and its Components S-3 Lubrication system	21	11	8
Sep	14	Unit-2 S-4 Cooling system S-5 Fuel supply system S-6 Transmission system S-7 Front and rear Axle S-8 Steering system	16	7	6
		Half Yearly Examination			
Oct	21	Unit-3 S-9 Suspension system S-10 Wheel and tyre S-11 Brakes S-12 Electrical and Electronic system S-13 Air conditioning system S-14 Active and passive safety	17	13	10
Nov	23	Unit-4 S-1 Importance of road safety S-2 Safe and responsible driving S-3 Road signs	22	12	12

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Dec	18	Unit-4 S-4 Driving rules and registration S-5 Driving License Unit-5 S-1 Air Pollution S-2 Auto emissions and EU/BS Standards S-3 PUC Certification	10	8	10
Jan	20	Unit -6 S-1 Importance to Vehicle maintenance and Servicing S-2 Tips to extend life of Vehicle S-3 Introduction to Vehicle service procedure	14	8	8
Feb	22	Unit-7 Innovation and development	8	6	2
Mar		Final Examination			



Monthly Allocation of Syllabus

Skill Subject:- Automobile

Duration-

Level-2

Class- 10TH

Month	No of working days	Title	No of teaching periods	No of Practical periods	No of Revision periods
April					
May					
June					
July	24	Unit-1 S-1 Chassis S-2 Body or super structure S-3 Engine S-4 Lubrication system	24	13	8
Aug	24	Unit-1 S-5 Cooling system S-6 Fuel supply system S-7 Transmission system S-8 Front Axle S-9 Steering system	15	16	8
Sep	14	Unit-1 S-10 rear axle S-11 Suspension system S-12 Wheel and tyre S-13 Brakes	9	9	10
		Half Yearly Examination			
Oct	21	Unit-1 S-14 Electrical and Electrical system Unit-2 Automobile service tools S-1 General tools S-2 Measuring tools S-3 Electrical tools	18	16	6
Nov	23	Unit-2 S-4 Special tools S-5 Service workshop equipments	10	20	12



Monthly Allocation of Syllabus

Skill Subject:- Automobile
Duration-

Level-3
Class- 11TH

Month	No of working days	Title	No of teaching periods	No of Practical periods	No of Revision periods
April					
May					
June					
July	24	Unit-1 S-1 Basic geometric constructions S-2 Engineering drawing	18	20	7
Aug	24	Unit-2 S-1 Engineering materials S-2 Basic manufacturing process Unit-3 S-1 Inspection of an Engine S-2 Washing of an Engine	16	20	8
Sep	14	Unit-3 S-3 Tuning fuel system of an Engine S-4 Tuning of an Ignition system of an Engine S-5 Tuning of Engine lubrication system	11	12	6
		Half Yearly Examination			
Oct	21	Unit-3 S-6 Tuning of engine cooling system S-7 tightening of fasteners Unit-4 S-1 Transmission system S-2 Clutch maintenance and adjustment	10	20	8
Nov	23	Unit-5 S-1 Lubrication of gear box S-2 setting of Gear box Unit-6 S-1	10	11	6

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Monthly Allocation of Syllabus

		Importance of wheels			
Dec	18	Unit-6 S-2 Importance of Hub Greasing and bearing play adjustments Unit-7 S-1 Tyre and tube maintenance S-2 Repairing of Punctured tube	13	16	8
Jan	20	Unit-8 S-1 Brakes and its maintenance	12	16	13
Feb	22	Revision			
Mar		Final Examination			

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Monthly Allocation of Syllabus

Skill Subject:- Automobile
Duration-

Level-4
Class- 12TH

Month	No of working days	Title	No of teaching periods	No of practical periods	No of Revision periods
April					
May					
June					
July	24	Unit-1 S-1 Service manual of respective vehicles Unit-2 S-1 Automotive bolts S-2 Automotive nuts S-3 Automotive studs S-4 Automotive washers and rivets	19	14	8
Aug	24	Unit-2 S-5 Removal of damaged Fasteners and replacement Unit-3 S-1 Handling and uses of direct and indirect measuring Instruments S-2 Angular measuring Instruments S-3 Dial indicator and other Gauges	21	17	10
Sep	14	Unit-3 S-4 Instruments on the dash board of a Vehicle Unit-4 S-1 Reconditioning of Valve mechanism S-2 Inspection and replacement of piston rings S-3 Inspection and replacement of sleeves, connecting rod and Engine bearing	15	18	6
		Half Yearly Examination			
Oct	21	Unit-4 S-4 Testing of cooling system and replacement of defective components S-5 Regular servicing of MPFI system S-6 Servicing of CRDI and Non CRDI system Unit-5 S-1 Overhauling of Clutch	19	19	6



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		S-2 Servicing of Propeller shaft, Universal and Slip Joints S-3 Servicing of Differential unit and adjustment			
Nov	23	Unit-5 S-4 Automatics transmission system Unit-6 S-1 Maintenance of suspension system S-2 Service and repair of leaf spring S-3 Replacement of strut/Shock absorber, steering Linkage S-4 Inspection of steering Linkage S-5 Manual and Power steering S-6 Steering system adjustment	18	22	6
Dec	18	Unit -7 S-1 Automotive electrical and electronic symbol, reading of circuit diagram, cable specification and color code, wiring harness S-2 Electrical test equipments S-3 Battery and its maintenance S-4 Checking of electrical connections of lightening system in a Vehicle	21	16	4
Jan	20	Unit-7 S-5 Application and replacement of fuses S-6 Circuit diagram of charging system of Automobile and checking of Charging system S-7 circuit diagram of starting system of Automobile and checking of starter circuit S-8 Circuit diagram of Ignition system and checking of Ignition Circuit	15	13	4
Feb	22	Unit-7 S-9 Maintenance and servicing of major electrical accessories S-10 Introduction to climate control system heating ventilation and air conditioning in a vehicle	8	7	25
Mar		Final Examination			

