

ಕ್ರ ಸಂ	ಅವಧಿ	ನಿಗದಿಪಡಿಸಿದ ಅಧ್ಯಾಯಗಳು	ನಿಗದಿಪಡಿಸಿದ ಪ್ರಾಯೋಗಿಕ ತರಗತಿಗಳು	ಅವಧಿಗಳು
1	ಮೊದಲ ಅವಧಿ 15-07-2021 ರಿಂದ 15-09-2021 ರವರೆಗೆ	<p>a) Unit 1 service manual – Session 1- Reading of service Manual. Pages: (1 to 15)</p> <p>b) Unit 2: Inspection and Repair of Fasteners-- Session 1: Automotive bolts/machine screws Session 2: Automotive nuts Session 3: Automotive studs Session 4: Automotive washers and rivets Session 5: Removal of damaged fasteners and replacement. Pages: (1 to 43)</p> <p>c) Unit 3 : Measuring Equipment's – Session 1- Handling and usage of direct and indirect measuring instruments. Session 2: Angular measuring instruments. Session 3: Dial indicator/gauge and other gauges. Session 4: Instruments on the dash board of a vehicle. Pages: (1 to 34)</p> <p>d) Unit 6: Suspension system Session 1: Maintenance of suspension system Session 2: Service and repair of leaf spring set etc. Session 3: Replacement of strut/shock absorber, steering linkage. Session 4: Inspection of steering linkage. Session 5: Manual and power steering system. Session 6: Steering system adjustment. Pages: (1 to 44)</p>	<p>a) Students should be able to read and use the service manuals for specifications, sequence in repair work.</p> <p>b) I) Identification of fasteners used in a vehicle. II) Various procedure used for removal of fasteners from the unit. III) Able to select appropriate fasteners and tightening at appropriate torque.</p> <p>c) I) Handling and Use of dial gauge, telescopic gauge and bore gauge. II) Handling and Use of Vernier caliper and tyre depth gauge. III) Setting and uses of micrometer. IV) Handling and Use of hydrometer and bevel gauge. V) Handling and Use of torque wrench and filler</p>	<p>10</p> <p>30</p> <p>10</p> <p>37</p>

			<p>gauge</p> <p>VI) Identification of various symbolic (gauges) information on dashboard in a vehicle.</p> <p>d) I) Maintenance of suspension system. II) Manual and Power steering systems, Air suspension system. III) Replacement of strut/shock absorbers, inspection of steering linkages. IV) Steering system adjustments</p>	
2	1ನೇ ಕಿರುಪರೀಕ್ಷೆ 13-09-2021 ರಿಂದ 15-09-2021 ರವರೆಗೆ	ಮೊದಲ ಅವಧಿಯಲ್ಲಿ ಬೋಧಿಸಿದ ಪಠ್ಯವಸ್ತು ವಾರ್ಷಿಕ ಪರೀಕ್ಷೆಯ ಪ್ರಶ್ನೆಪತ್ರಿಕೆಯ ಮಾದರಿಯಲ್ಲಿಯೇ ಪರೀಕ್ಷೆಗಳು ನಡೆಯುವವು		
3	ಅಸೈನ್ ಮೆಂಟ್ -1	ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ತಾರ್ಕಿಕ ಚಿಂತನೆಗೊಳಿಸುವ ವಿಷಯಗಳನ್ನು ನೀಡುವುದು		
4	ಎರಡನೇ ಅವಧಿ 16-09-2021 ರಿಂದ 30-11-2021ರವರೆಗೆ	<p>a) Unit 4: Serviceability, Replacement or Repair of Engine Components. Session 1: Reconditioning of Valve mechanism Session 2: Inspection and replacement of piston rings. Session 3: Inspection and replacement of sleeves, connecting rod and engine bearing Session 4: Testing of cooling system and replacement of defective components. Pages: (1 to 44)</p>	<p>a) I) Reconditioning of valve mechanism. II) Inspection and replacement of piston rings. III) Testing of cooling system and replacement of defective component. IV) Servicing of CRDI / non CRDI system V) Regular servicing of</p>	90

			MPFI system	
5	ಅಸೈನ್ ಮೆಂಟ್-2	ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ತಾರ್ಕಿಕ ಚಿಂತನೆಗೊಳಿಸುವ ವಿಷಯಗಳನ್ನು ನೀಡುವುದು		
6	ಮದ್ಯ ವಾರ್ಷಿಕ ಪರೀಕ್ಷೆ 20-11-2021 ರಿಂದ 30-11-2021 ರವರೆಗೆ	1 ಮತ್ತು 2ನೇ ಅವಧಿಯಲ್ಲಿ ಬೋಧಿಸಿದ ಒಟ್ಟು ಪಠ್ಯವಸ್ತುವನ್ನು ಆಧರಿಸಿ		
7	ಮೂರನೇ ಅವಧಿ 01-12-2021 ರಿಂದ 30-01-2022ರವರೆಗೆ	<p>a) Unit 5 : Transmission System Session 1: Overhauling of clutch. Session 2: Servicing of propeller shaft, universal and slip joints. Session 3: Servicing of Differential unit and adjustment. Session 4: Automatics transmission system Pages: (1 to 29)</p> <p>b) Unit 7: Auto Electrical</p> <p>Session1: Automotive electrical and electronics symbol, reading of circuit diagram, cables specification and colour code, wiring harness. Session 2: Electrical test equipments. Session 3: Battery and its maintenance. Session 4: Checking of electrical connections of lighting system in a vehicle Pages: 1 to 50</p>	<p>a) I) Overhauling of clutch II) Servicing of propeller/drive shaft, universal and slip joints. III) Servicing of differential unit and adjustments. IV) Introduction to automatic transmission system</p> <p>b) I) Reading of electrical symbol, circuit diagrams, color codes and specification of cables and wiring hardness. II) Multi meter, Timing light (stroboscope) and oscilloscope and its application. III) Battery and its maintenance</p>	<p>30</p> <p>40</p>
8	2ನೇ ಕಿರುಪರೀಕ್ಷೆ 28-01-2022 ರಿಂದ	3ನೇ ಅವಧಿಯಲ್ಲಿ ಬೋಧಿಸಿದ ಪಠ್ಯವಸ್ತು		

	31-01-2022 ರವರೆಗೆ			
9	ನಾಲ್ಕನೇ ಅವಧಿ 01-02-2022 ರಿಂದ 31-03-2022ರವರೆಗೆ	<p>a) Unit 7 : Auto Electrical.</p> <p>Session 5: Application and replacement of fuses.</p> <p>Session 6: Circuit diagram of charging system of automobile and checking of charging system.</p> <p>Session 7: Circuit diagram of starting system of automobile and checking of starter circuit.</p> <p>Session 8: Circuit diagram of ignition system and checking of ignition circuit.</p> <p>Session 9: Maintenance and servicing of major electrical accessories.</p> <p>Session 10: Introduction to climate control system heating ventilation and air conditioning in a vehicle.</p> <p>Page: 50-100</p>	<p>VIII) I) Circuit diagram for battery charging.</p> <p>II) Checking of electrical connections and lights in a vehicle.</p> <p>III) Lighting system, application and replacement of fuses.</p> <p>IV) Horn assembly, electrical fuel gauge and fuel pump their application and maintenance.</p> <p>V) Circuit diagram for starter circuit.</p> <p>VI) Circuit diagram for ignition circuit.</p> <p>VII) Servicing of wiper system.</p> <p>VIII) Introduction of HVAC System in a vehicle.</p> <p>IX) Able to check electrical connection, test and replace of head Light / indicator/ break Bulbs.</p>	60
10	ಪೂರ್ವ ಸಿದ್ಧತಾ ಪರೀಕ್ಷೆ 24-03-2022 ರಿಂದ 30-03-2022	ಪೂರ್ಣ ಪ್ರಮಾಣದ ಪಠ್ಯವಸ್ತು		

11	ವಾರ್ಷಿಕ ಪರಿಷ್ಕೆ ಎಪ್ರಿಲ್ ಮೊದಲ ವಾರ	ಪೂರ್ಣ ಪ್ರಮಾಣದ ಪಠ್ಯವಸ್ತು		
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