



AUTOMOTIVE CLASS - X

SUBJECT CODE : 404



PRACTICAL-LIST



SUGGESTED LIST OF PRACTICALS



1

Demonstration of Auto Body Parts



2

Dismantling and Assembly of Petrol & Diesel Engine



3

Demonstration of Parts of Lubrication System



4

Demonstration of Water Cooling System



5

Demonstration of Mechanical Type Steering System



6

Demonstration of Differential and Various Types of Gears used in Final Drive



7

Demonstration of All Hand Tools



8

Demonstration of Various Types of Fuel Supply System



9

Demonstration of Mechanical Braking System



10

Demonstration of Lead Acid Battery with all Components



11

Demonstration of Measuring Tools



12

Demonstration of Electrical Tools



13

Procedure for Vehicle Servicing

14

Dramatization of Customer Service



LEARNING BY DOING
• **SKILL DEVELOPMENT** •
SAFETY FIRST





AUTOMOTIVE LAB

AUTOMOTIVE CLASS - XII

(SUBJECT CODE : 804)



PRACTICAL-LIST

SUGGESTED LIST OF PRACTICALS

- 1 Dismantling and assembling of petrol engine.
- 2 Dismantling and assembling of diesel engine.
- 3 Overhauling of petrol engine.
- 4 Overhauling of diesel engine.
- 5 Servicing of fuel supply system (petrol & diesel).
- 6 Servicing of lubrication system.
- 7 Servicing of cooling system.
- 8 Servicing of clutch system.
- 9 Servicing of manual transmission system.
- 10 Servicing of differential and final drive.
- 11 Servicing of steering system.
- 12 Servicing of front suspension system.
- 13 Servicing of rear suspension system.
- 14 Servicing of braking system.
- 15 Wheel alignment, wheel balancing and wheel rotation.
- 16 Fault diagnosis in electrical system.
- 17 Servicing of starting system.
- 18 Servicing of charging system.
- 19 Servicing of lighting and signalling system.
- 20 Emission testing & engine performance test.



LEARN
BY DOING



SKILL
DEVELOPMENT



HANDS ON
TRAINING



SAFETY
FIRST



LEARN
BY DOING

BUILD
SKILLS

SHAPE YOUR
FUTURE





AUTOMOTIVE CLASS - XI

(SUBJECT CODE : 804)



PRACTICAL-LIST

SUGGESTED LIST OF PRACTICALS



LEARN
PRACTICE
EXCEL



SKILL
DEVELOPMENT



HANDS ON
TRAINING



SAFETY
FIRST

- 1 Inspection of an engine. (Diesel & Petrol)
- 2 Washing of an engine.
- 3 Tuning of an engine.
- 4 Tuning of the ignition system of an engine.
- 5 Replace engine oil and oil filter of a car.
- 6 Servicing of cooling systems.
- 7 Engine Timing and engine sound test after setting.
- 8 Servicing of transmission system.
- 9 Servicing of clutch system.
- 10 Adjust Clutch pedal free play.
- 11 Overhauling of clutch.
- 12 Replace gear and different oil.
- 13 Adjust gear lever free play.
- 14 Servicing of wheel assembly.
- 15 Hub Greasing and bearing play adjustments.
- 16 Tyre Rotation of a car.
- 17 Tyre Puncture repair. (Hot patch & Tubeless)
- 18 Servicing of Brakes system.



LEARN
BY DOING



BUILD
SKILLS



SHAPE YOUR
FUTURE

