

32165 – AUTOMOBILE WOKSHOP PRACTICAL

DETAILED SYLLABUS

Objective

To impart the knowledge to learn the maintenance of the vehicle. This will create an opportunity to identify the fault and methods to rectify the fault.

PART – A

1. Valve lapping, valve run out, valve face out inspection, valve tip inspection and valve spring calibration
2. Re-boring and honing of cylinder liners.
3. Servicing and replacement of fuel tank, fuel filter and fuel pipes.
4. Engine compression and vacuum pressure testing, Clean, check and adjust spark plug of 2/3 wheeler.
5. Calibration of thermostat, checking of radiator cap, fan belt and coolant inspection by using Hydro-meter.
6. Testing of Fuel injector and nozzle. Curriculum Development Centre, DOTE. Page 164

PART – B

1. Servicing of drum brake , Skimming of brake drum and pad replacement.
2. Dismantle Wheel bearing, Steering stem& ball race, inspect and replace.
3. Replace control cable clutch, brake, accelerator cables and lubrication of chain drive – adjust clutch, brake play.
4. Servicing of disc brake including master cylinder, wheel cylinder checking, brake bleeding.
5. Multi plate Clutch service – disc inspection, drive and driven plates inspection and clutch springs.
6. Servicing of two wheeler gear box and replace oil.