

- Q.27 Why wheel balancing is necessary in vehicle?(CO5)  
 Q.28 Explain clutch fixtures. (CO4)  
 Q.29 Explain valve lifter. (CO2)  
 Q.30 With neat sketch explain five engine repairing tools. (CO3)  
 Q.31 Illustrate paint chamber? (CO5)  
 Q.32 Explain vernier calliper. (CO1)  
 Q.33 Explain mechanical types jack. (CO1)  
 Q.34 Explain fuel injector tester. (CO5)  
 Q.35 Explain first aid box in vehicle. (CO4)

#### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain location and layout of a modern Garage. (CO2)  
 Q.37 Explain air compressor with neat sketch. (CO3)  
 Q.38 Explain various types of spanners and wrenches with neat sketch. (CO1)

**Note :** Course outcome (CO) mentioned in the questions paper is for official purpose only.

No. of Printed Pages : 4

Roll No. ....

180353/170353/

120353/030353

#### 5th Sem / Branch : Automobile Engineering Sub. : Garage Equipment

Time : 3Hrs.

M.M. : 100

#### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Function of a ring spanner is (CO1)  
 a) Loosening of nut and bolts  
 b) Tightening of nut and bolts  
 c) Both A & B  
 d) None of the above
- Q.2 Taps are used for (CO1)  
 a) Internal threads b) External threads  
 c) Making Holes d) All
- Q.3 A torque wrench is tool used to tighten the nuts and bolts. (CO1)  
 a) At no moments  
 b) At manually values  
 c) Only tightening  
 d) Specified values of twisting moment
- Q.4 Vacuum gauge is used to check (CO5)  
 a) Compression efficiency  
 b) To improve average  
 c) For high fuel

- d) Suction Efficiency
- Q.5 In a car tyre which type of air is good (CO2)
- a) Nitrogen air
- b) Normal air
- c) Hor air
- d) Cold air
- Q.6 Radiator is used in Car for (CO2)
- a) Heating Engine
- b) Cooling engine
- c) Both A & B
- d) None
- Q.7 RPM meaning (CO3)
- a) Round per meter
- b) Round per milli meter
- c) Revolution per inch
- d) Revolution per minute
- Q.8 In Garage Washing of Vehicles is performed by (CO1)
- a) High pressure car washer
- b) Hydraulic Pressure
- c) High air pressure
- d) Normal pressure
- Q.9 Generally types of battery used in a car is (CO4)
- a) 12V                      b) 24 V
- c) 36V                      d) 48V
- Q.10 Growler is a device for finding (CO1)
- a) Battery Defect

- b) Engine defect
- c) Short circuit in motor armature
- d) Radiator defect

### SECTION-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Write function of Allen keys. (CO1)
- Q.12 Define taps. (CO1)
- Q.13 Give necessity of painting vehicle. (CO5)
- Q.14 Write one defect in spark plug in a motorcycle. (CO2)
- Q.15 Meaning of BS-VI in a vehicle. (CO2)
- Q.16 Write one defect in a battery. (CO1)
- Q.17 Write use of a nose plier. (CO1)
- Q.18 Use of fire extinguisher in vehicle. (CO1)
- Q.19 Write full form of CNG. (CO5)
- Q.20 Define use of arbor press. (CO2)

### SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Illustrate standard screw driver. (CO1)
- Q.22 Draw neat sketch of a drilling machine. (CO2)
- Q.23 Explain oil sprayer in a garage. (CO3)
- Q.24 Describe piston ring remover. (CO3)
- Q.25 Explain various battery defects. (CO4)
- Q.26 Explain vacuum gauge. (CO4)