

- Q.27 Explain ignition timing light. (CO5)  
 Q.28 Explain hydraulic jack. (CO4)  
 Q.29 Explain radiator tester. (CO2)  
 Q.30 With neat sketch explain five engine repairing tools. (CO3)  
 Q.31 Explain fuel consumption tester. (CO5)  
 Q.32 Explain feeler gauge. (CO1)  
 Q.33 Explain piston ring groove cleaner. (CO1)  
 Q.34 Explain fire extinguisher equipment. (CO5)  
 Q.35 Explain first aid box in a vehicle. (CO4)

### **SECTION-D**

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

- Q.36 Explain hydraulic hoist. (CO1)  
 Q.37 Explain with neat sketch a modern car Garage. (Co2)  
 Q.38 Explain various types of spanners and wrenches with neat sketch. (CO1)

**(Note:** Course outcome/CO is for office use only)

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### **5th Sem / Automobile Engineering Subject:- Garage Equipment**

Time : 3Hrs. M.M. : 100

#### **SECTION-A**

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

- Q.1 function of a spanner and wrenches is (CO1)  
 a) Loosening of nut and bolt  
 b) Tightening of nut  
 c) Opening of screw  
 d) Both A and B  
 Q.2 Dies are used for (CO1)  
 a) External threads b) Internal thread  
 c) No thread d) Both A & B  
 Q.3 Piston ring remover tool is for (CO1)  
 a) Compressing piston ring  
 b) Remove rod  
 c) Removing piston ring  
 d) Break Rings  
 Q.4 Compression gauge is used to check (CO5)  
 a) Compression efficiency  
 b) To improve average  
 c) Suction Efficiency  
 d) For high fuel

Q.5	In a Garage	(CO2)
a)	Vehicles are stored	
b)	Inspection of vehicle	
c)	Repair and maintenance of vehicle	
d)	All of the above	
Q.6	Garage location should	(CO2)
a)	Near Highways	
b)	Near city	
c)	Have all modern facility for repair	
d)	All of the above	
Q.7	Tyre inflation gauge is for	(CO3)
a)	Checking tyre air pressure	
b)	Filling air in Tyre	
c)	Increase tyre life	
d)	None	
Q.8	Class B Fire meant for	(CO1)
a)	Fires in flammable liquids	
b)	Fire in wood, cloth	
c)	Fire in electrical equipment	
d)	None	
Q.9	Types of battery used in a car is	(CO4)
a)	12 V	b) 24
c)	36 V	d) 48 V
Q.10	Wheel alignment and balancing.	(CO3)
a)	Reduce vibration in tyre	
b)	Increase tyre life	
c)	Both A & B	
d)	Decrease life of vehicle	

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## SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 Use of screw driver. (CO1)
  - Q.12 Define a nut driver. (CO1)
  - Q.13 Write meaning of Garage location. (CO5)
  - Q.14 Write one defect in a spark plug. (CO2)
  - Q.15 Meaning of BS-VI in a vehicle. (CO2)
  - Q.16 Dynamo is used for. (CO4)
  - Q.17 Write the use of a chisel. (CO3)
  - Q.18 Why first aid box is necessary in vehicles? (CO1)
  - Q.19 Write advantages of hydraulic jack. (CO5)
  - Q.20 Define soldering tools. (CO3)

## SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Give description of a screw driver. (CO1)
  - Q.22 Draw neat sketch of portable drilling machine(CO2)
  - Q.23 Explain vacuum gauge. (CO3)
  - Q.24 Describe cylinder dial gauge. (CO3)
  - Q.25 Explain various features of a good garage. (CO4)
  - Q.26 Describe automatic tyre changer. (CO4)

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