

- Q.23 Explain vacuum gauge. (CO3)  
 Q.24 Describe cylinder dial gauge. (CO3)  
 Q.25 Explain layout of a garage. (CO4)  
 Q.26 Describe automatic tyre changer. (CO4)  
 Q.27 Explain fuel consumption tester. (CO5)  
 Q.28 Explain trolley type jack. (CO4)  
 Q.29 Discuss cam shaft grinding machine. (CO2)  
 Q.30 With neat sketch explain five engine repairing tools. (Co3)  
 Q.31 Explain part degreasing tank. (CO5)  
 Q.32 Explain micrometer. (CO1)  
 Q.33 Explain battery charger. (CO4)  
 Q.34 Explain fire extinguisher equipment. (CO2)  
 Q.35 Explain first aid box in a vehicle. (CO2)

#### **SECTION-D**

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)  
 Q.36 Explain electric hoist with neat sketch. (CO1)  
 Q.37 Explain with neat sketch a modern car Garage. (CO2)  
 Q.38 Explain spark plug cleaner and tester. (CO1)

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

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**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 open and spanner is (CO1)  
 a) Loosening of nut and bolt.  
 b) Tightening of nut  
 c) Opening of screw  
 d) Both A & B  
 Q.2 Scrappers are used for (CO1)  
 a) Cleaning task      b) Internal thread  
 c) Cutting      d) Making holes  
 Q.3 Honing is a process (CO1)  
 a) Cutting process      b) Surface removal  
 c) Finishing process      d) None  
 Q.4 Compression gauge is used to check (CO5)  
 a) Compression efficiency  
 b) To improve average  
 c) Suction Efficiency  
 d) For high fuel

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Q.5	In a Garage	(CO2)	Q.10	Which painting is best to apply paint on automobiles	(CO3)
	a) Vehicles are stored b) Inspection of vehicle c) Repair and maintenance of vehicle d) All of the above			a) Brush type b) Oil painting c) Spray painting d) None	
Q.6	Tachometer is used to	(CO2)			
	a) Charging b) Battery condition c) Check engine defect d) Measure RPM of engine				
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) 12V                          b) 24V c) 36V                            d) 48V				
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### **SECTION-B**

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

- Q.11 Use of stubby screw driver. (CO1)
- Q.12 Define a nut driver. (CO1)
- Q.13 Write application of a plier. (CO5)
- Q.14 Write one defect in a spark plug. (CO2)
- Q.15 Write use of surface plate. (CO2)
- Q.16 Dynamo in a vehicle is used for. (CO4)
- Q.17 Write the use of a chiesel. (CO3)
- Q.18 Why first aid box is necessary in vehicles. (CO1)
- Q.19 Write advantage of hydraulic jack. (CO5)
- Q.20 Write use of compressed air. (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 bench grinder. (CO2)