

- Q.26 What is integrated started motor? (CO-4)
 Q.27 Explain work of switches in automobiles. (CO-4)
 Q.28 Explain about lamp mounting. (CO-5)
 Q.29 Discuss about temperature gauge. (CO-6)
 Q.30 Explain the uses of Horns. (CO-6)
 Q.31 Explain function of tachometer. (CO-8)
 Q.32 Explain about Heating system of automobiles. (CO-8)
 Q.33 Explain difference between HT and LT Cables. (CO-5)
 Q.34 Explain AC system in auto mobile. (CO-8)
 Q.35 Explain the use of fog light and side light. (CO-5)

SECTION-D

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

- Q.36 Explain control of different subsystems in automobile. (CO7)
 Q.37 Explain different types of gauges used in automobile. (CO-6)
 Q.38 Explain construction and working of lead Acid Battery. (CO-2)

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**5th Sem / Branch : Elect
Sub. : Auto Electrical**

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Positive plate of lead Acid Battery is made of (CO-2)
 a) PbO₂ b) PB
 c) Ni d) Cd
 Q.2 Negative Plate of Lead Acid Battery is made of (CO-2)
 a) PbO₂ b) Pb
 c) Ni d) Cd
 Q.3 Electrolyte used in lead Acid Battery is (CO-2)
 a) KOH b) NaOH
 c) H₂SO₄ d) HCl
 Q.4 Line wire is of the color (CO-3)
 a) Green b) Red
 c) Blue d) Black

- Q.5 Hydrometer is used to measure (CO-2)
 a) Voltage b) Current
 c) Specific Gravity d) Power
- Q.6 How many cells are used in 6 Volt Battery (CO-1)
 a) 2 b) 3
 c) 6 d) 8
- Q.7 Voltmeter is used to measure (CO-3)
 a) Voltage b) Current
 c) Power d) None
- Q.8 Amp Hours is the unit of (CO-2)
 a) Voltage b) Current
 c) Power d) Capacity of battery
- Q.9 Tachometer is used to measure (CO-8)
 a) Temperature b) RPM
 c) Current d) Power
- Q.10 Ammeter is used to measure current (CO-3)
 a) Current b) Voltage
 c) Power d) Energy

SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 Draw symbol of Battery (CO-2)
 Q.12 Explain LT. (CO-5)
 Q.13 Frequency of AC is _____ (CO-3)
 Q.14 _____ is used to convert Ac to Dc (CO-4)
 Q.15 Define lamp mounting. (CO-5)
 Q.16 Define Pressure Gauge. (CO-6)
 Q.17 Main function of fog light is _____ (CO-5)
 Q.18 Define Voltage Regulator. (CO-4)
 Q.19 Define Boost Charging. (CO-2)
 Q.20 Define Relay. (CO-5)

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Discuss the use of earthing. (CO-2)
 Q.22 Explain the charging of lead Acid Battery. (CO-2)
 Q.23 What are different defect in Batteries? (CO-2)
 Q.24 Write short note on Alkaline Battery. (CO-2)
 Q.25 Explain advantages of alternator. (CO-3)