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Roll No.

180954B/170954B

5th Sem / Branch : Electrical Engineering
Sub.: Auto Electrical

Time : 3Hrs.

M.M. : 100

SECTION-A

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

Q.1 Negative plate of lead Acid Battery is made of (CO2)

- a) PbO_2 b) Pb
- c) Ni d) Cd

Q.2 How many cells are used in 12v Battery? (CO1)

- a) 2 b) 4
- c) 6 d) 8

Q.3 _____ meter is used to measure RPM. (CO8)

- a) Hydrometer b) Multi meter
- c) Tacho meter d) Volt meter

Q.4 Electrolyte used in lead acid battery is _____. (CO2)

- a) KOH b) NaOH
- c) H_2SO_4 d) H_2O

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Q.5 In Alternator which component Controls output (CO3)

- a) Voltage Regulator b) Diode
- c) Clipper d) Rectifier

Q.6 _____ is used to measure specific gravity (CO2)

- a) Hydrometer b) Ammeter
- c) Volt meter d) Multi meter

Q.7 _____ is used to show level of fuel (CO6)

- a) Fuel gauge b) Tacho meter
- c) Am meter d) Volt meter

Q.8 Ammeter is used to measure (CO1)

- a) Voltage b) Current
- c) Power d) All of above

Q.9 Earth wire is of color (CO1)

- a) Blue b) Red
- c) Green d) Black

Q.10 Capacity of Battery is given in (CO2)

- a) All b) Volt
- c) Ampere d) Watt

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SECTION-B

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

- Q.11 Define Battery. (CO1)
- Q.12 Define efficiency. (CO1)
- Q.13 ____ supply is used for changing of Batteries. (CO2)
- Q.14 Write full form of HT. (CO5)
- Q.15 Define Network. (CO7)
- Q.16 Define over charging. (CO2)
- Q.17 Define Alternator. (CO3)
- Q.18 Define voltage Regulator. (CO3)
- Q.19 Define lamp mounting. (CO5)
- Q.20 Define Pressure gauge. (CO6)

SECTION-C

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

- Q.21 Explain about earth return system. (CO1)
- Q.22 Explain use of Hydrometer in battery. (CO2)
- Q.23 What is difference between 6V and 12 V Battery. (CO1)

- Q.24 Write short note on lithium Ion battery. (CO2)
- Q.25 Discuss advantages of dynamo. (CO3)
- Q.26 What is starter motor? (CO4)
- Q.27 Name different types of switches. (CO4)
- Q.28 Explain working of Head lamp. (CO5)
- Q.29 Explain working of Bimettalic gauge. (CO6)
- Q.30 What is Horn Relay. (CO6)
- Q.31 Explain function of speed meter. (CO8)
- Q.32 Discuss the Electric door locking. (CO8)
- Q.33 What is difference between HT and LT cable. (CO5)
- Q.34 Explain AC system of auto mobile in brief. (CO8)
- Q.35 Discuss about control area network. (CO7)

SECTION-D

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

- Q.36 Explain construction and working of Lead Acid Battery. (CO2)
- Q.37 Explain wiring system of car with diagram. (CO5)
- Q.38 Explain construction and working of alternater. (CO2)