

SECTION-B

Note: Short answer type questions. Attempt any six questions out of Eight questions. (6x5=30)

- Q.11 What is color-coding of wires? Write commonly used colors of different wires of different circuits.
- Q.12 Differentiate between Earth-return and insulated-return systems.
- Q.13 What is High rate discharge test for battery? How is it performed?
- Q.14 Differentiate between VRLA battery and traction battery.
- Q.15 Explain working of compensated voltage control regulator.
- Q.16 Explain the construction of an alternator.
- Q.17 Differentiate between current and voltage regulator.
- Q.18 Explain the principle of generation of A.C.

SECTION-C

Note: Long answer type questions. Attempt any one questions out of two questions. (10x1=10)

- Q.19 Explain the various battery defects.
- Q.20 Describe with the help of a neat sketch the working of a three-unit regulator used in an Automobile.

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Level 5, Sem I/Trade-DVOC (Auto. Servicing, AMT)

Subject : Automobile Electrical Equipment

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short answer type questions. All questions are compulsory. (10x1=10)

- Q.1 What is Positive earthing?
- Q.2 Define circuit breaker.
- Q.3 What is the use of hydrometer test?
- Q.4 Name the two methods of charging the battery
- Q.5 Write the function of current regulator.
- Q.6 What is the function of Dynamo?
- Q.7 What is Dyna starter?
- Q.8 What is the use of diode in an alternator?
- Q.9 Write the types of windings used in the stator of alternators.
- Q.10 What is the difference between voltage regulator and current regulator?

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