

## **SECTION-B**

**Note:** Short answer type questions. Attempt any six questions out of Eight questions.  $(6 \times 5 = 30)$

- 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.  $(10 \times 1 = 10)$

- 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.  $(10 \times 1 = 10)$

- 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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