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Total No. of Pages : 02

Total No. of Questions : 09

**B.Voc (Automobile Servicing) (Sem.-3)**

**AUTOMOBILE ELECTRICAL SYSTEM**

**Subject Code : 6.GV.01**

**M.Code : 78769**

**Date of Examination : 12-12-2022**

**Time : 3 Hrs.**

**Max. Marks : 30**

**INSTRUCTIONS TO CANDIDATES :**

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **ONE** mark each.
2. **SECTION-B** contains **FIVE** questions carrying **2<sup>1</sup>/<sub>2</sub>** (Two and Half) marks each and students has to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **FIVE** marks each and students has to attempt any **TWO** questions.

**SECTION-A**

**1. Write short notes on :**

- a) Write the typical motor specification.
- b) What is the function of the ignition system?
- c) What do you mean by firing order?
- d) What is reflector optics?
- e) What is blue vision head lamp?
- f) What are the components of lighting system?
- g) What is the use of oil pressure gauge?
- h) What are the properties of electrical cable?
- i) What is the function of rear defogger?
- j) What is armature reaction?

### **SECTION-B**

2. With neat sketch explain the working of any two types of horns.
3. Explain the constructional details of starter motor.
4. Write the factors affecting the starting of engines.
5. Explain the function of optical sensor for spark timing.
6. Write the conditions of working of spark plug.

### **SECTION-C**

7. What do you mean by head light dazzling? How can it be prevented?
8. Describe the overrunning clutch type driving mechanism in detail.
9. Explain the idea of Distributer-less Direct ignition system.

**NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.**