

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Voc. (AS) (Sem.-6)

AUTOMOBILE MAINTENANCE SERVICE & REPAIRS-II

Subject Code : 7.GV.05

M.Code : 91633

Date of Examination : 04-07-22

Time : 3 Hrs.

Max. Marks : 30

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **ONE** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **TWO & HALF** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **FIVE** marks each and students have to attempt any **TWO** questions.

SECTION-A

1. **Write briefly :**
 - a. How ECM power and ground can be checked?
 - b. Enumerate the symptoms of a bad ECM.
 - c. Where are MAP sensors located?
 - d. What are the common causes in clutch failure?
 - e. Why does wheel locking occur under braking?
 - f. What are the reasons behind steering pulling to the left/right whilst driving?
 - g. What causes rear suspension wind up?
 - h. What causes wiper motor failure?
 - i. What are the signs that an injector pump needs rebuilding?
 - j. What is the purpose of sight glass? How does it help in diagnosing troubles?

SECTION-B

2. Explain the procedure for testing of ECM errors and problems? Whether ECM can be tested at home? Under which circumstances, ECM for a vehicle needs a replacement?
3. What are common gear box troubles and their causes?
4. What are the problems in a propeller shaft? What is their effect on running?
5. Explain the steps along with the tools required to overhaul a starter motor.
6. What are typical condenser problems? What causes car condenser failure? How do you troubleshoot a condenser?

SECTION-C

7.
 - a) How does the MAP sensor work? What happens if the MAP sensor is unplugged?
 - b) List the visual checks made to locate battery trouble.
8.
 - a) Explain the preparatory work for dismantling MacPherson struts? Explain the procedure for servicing the MacPherson strut?
 - b) What are the indicators for replacement of drum brakes? How drum brake can be refurbished?
9.
 - a) Discuss the procedure for testing a diesel fuel injector? How do you rebuild a diesel fuel injector?
 - b) What are the most common problems with automobile air conditioning system? What steps can be taken to fix these problems?

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