

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Voc. (Automobile Servicing) (Sem.-1)

MOTOR VEHICLE TECHNOLOGY-II

Subject Code : 5.GV.01

M.Code : 77013

Date of Examination : 10-01-2023

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 **2½** (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 have to attempt any **TWO** questions.

SECTION-A

1. Answer briefly :

- (a) Explain the significance and basic construction of vehicle frames.
- (b) What do you mean by turning radius in vehicle?
- (c) Explain the function of helper springs in vehicle suspension system.
- (d) What are Anti-roll bars used for in vehicle?
- (e) What do you mean by Tractor Steering in Vehicle?
- (f) Explain what is Castor and camber angle in vehicle?
- (g) Explain the differences between Drum and Disc brake.
- (h) Explain the functions of brake lining and brake fluid in vehicle braking system.
- (i) What do you mean by positive crankcase ventilation?
- (j) What is Turbocharger?

SECTION-B

2. Discuss with suitable diagram the construction and working of mechanical brakes in vehicle braking system.
3. Explain what are unitized construction (monocoque) types of bodies with respect to vehicle frame and body?
4. Discuss the constructional details and working of Ackermann steering system.
5. Discuss various measures to control exhaust emissions from four stroke vehicles.
6. Discuss various defects related to braking systems of vehicle and explain their suitable causes.

SECTION-C

7. Discuss the effects of pollution caused due to stationary automobile engines and explain measures to control it.
8. Write a short note on Nitrox Suspensions used in vehicle.
9. With a suitable, example and diagram explain Maruti steering system.

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.