

Roll No.

Total No. of Pages : 02

Total No. of Questions : 18

B.Voc. (Automobile Servicing) (Sem.-1)
MOTOR VEHICLE TECHNOLOGY-II
Subject Code : 5.GV.01
M.Code : 77013

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

Answer briefly :

1. Give various ideas of safety features in modern car.
2. What is the role of turning radius in the construction of frames in automobile?
3. What is the function of Torsion bar in suspension system?
4. Draw rack and pinion steering system.
5. Give difference between drum and disc brakes.
6. What is toe in and toe out in steering system?
7. What is ABS?
8. What is the function of turbo charger?
9. Discuss the concept of Air injection system in automobiles.
10. What is the effect of braking on steering system?

SECTION-B

11. Discuss the recent trends in automobile for controlling city pollution.
12. Discuss the construction details of worm and sector steering system.
13. Discuss the constructional details of hydraulic braking system.
14. Give measures to control exhaust emissions from 4-stroke engines.
15. What do you mean master cylinder and tandem master cylinder in braking system?

SECTION-C

16. Discuss with suitable diagram Maruti steering system.
17. What are shock absorbers and discuss telescopic suspension system?
18. Discuss various products, which causes de-activation of catalysts in catalytic convertors in automobiles?

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.