

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

B.Voc. (Automobile Servicing) (Sem.-4)

VEHICLE PERFORMANCE & TESTING

Subject Code : 6.GV.07

M.Code : 79994

Date of Examination : 11-07-22

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 TWO AND A 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) What is the effect of gradeability on vehicle performance?
- b) Brief about the tyres impact on performance.
- c) Write about Epicyclic transmission.
- d) List the cause of tyre wear.
- e) Define braking distance test.
- f) What is coast down test?
- g) Which parts of vehicle are focused for comfort?
- h) Write about Euro III.
- i) How is the wind noise measured in vehicles?
- j) List at least five vehicles which have lowest noise vibration and EMI?

SECTION-B

2. Explain Lambda close loop control system for gasoline vehicles.
3. Discuss about vehicular transmission performance.
4. Illustrate the road load data acquisition for vehicle.
5. Describe Ergonomic consideration in safety in vehicles.
6. What are the causes and remedies on road shocks?

SECTION-C

7. Explain the catalytic converters function and construction.
8. Describe in detail about the testing on chassis dynamometers and free acceleration test.
9. Write short note on :
 - a) Adaptive cruise control and
 - b) Model testing.

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.