

[Total No. of Questions - 9] [Total No. of Printed Pages - 2]
(2125)

15290

B. Tech 7th Semester Examination

Vehicle Maintenance (NS)

AU-412

Time : 3 Hours

Max. Marks : 100

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Candidates are required to attempt five questions in all selecting one question from each of the section A, B, C and D of the question paper and all the subparts of the questions in section E. Use of non-programmable calculators is allowed.

SECTION - A

1. Discuss about the preparation of maintenance check list and explain the chassis lubrication schedule. (20)
2. Explain the different types of tools used in a garage and garage service station equipments. (20)

SECTION - B

3. What are the special tools used for maintenance, repair and overhauling? Also discuss the assembly procedure. (20)
4. Discuss fuel feed systems and also explain the injector testing. (20)

SECTION - C

5. Explain the different types of steering system. What are the troubles experienced in mechanical type gear box? (20)

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2

15290

6. Discuss the lighting system and explain the wiring harness test. (20)

SECTION - D

7. Explain the window glass actuation mechanism and shouldering. (20)
8. Explain the corrosion and anti-corrosion method of painting and list the various types of paints. (20)

SECTION - E

9. (a) What do you mean by preventive measure?
(b) Explain the Log books and Trips sheets.
(c) What are the repairing methods of engine components?
(d) Explain the antifreeze solutions.
(e) Explain the hydraulic break system.
(f) Write short note on electric horn and flasher.
(g) Explain the working of paint booth.
(h) Explain the battery testing method.
(i) Write short notes on door lock mechanism.
(j) Explain the various types of problems in lubricating system. (10×2=20)