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Roll No.

G324

B. Tech. EXAMINATION, 2020

(Seventh Semester)

(B-Scheme) (Main & Re-appear)

(AE)

AE407B

VEHICLE MAINTENANCE

Time : 2½ Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Four* questions in all. All questions carry equal marks.

1. (a) List out the different types of vehicle maintenance and explain them along their merits.
(b) Explain about the preparation of checklist for maintenance of petrol car.
2. (a) Describe the step-by-step procedure of assembling of engine components.
(b) Explain the various methods of cleaning the engine components.
3. Discuss the various troubles experienced in clutch and mechanical types gear box. Also explain their causes and remedies.
4. (a) Explain the causes and remedial action for any *four* steering system failure.
(b) Discuss briefly about the wheel alignment procedure.
5. Describe different types of tests and preventive maintenance of batteries.

6. (a) Explain briefly about maintenance of alternator.
(b) Discuss the troubles commonly experienced in lightning system of an automobile.
7. Discuss in detail the functions of fuel supply system in an automotive diesel engine. Also explain in servicing and maintenance of fuel system.
8. With neat sketches explain the working principle of door lock mechanism and window glass actuating mechanism.