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Roll No

AU-801(A) (GS)
B.E. VIII Semester Examination, June 2020
Grading System (GS)
Tractor and Form Equipments
(Elective - III)
Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) What is supercharging? Explain the various types of superchargers.
b) Discuss the roll of automobile transmission system.
2. Explain how the estimating, owning and operating cost of an earth moves is calculated.
3. What do you mean by maintenance of earth moving equipments? What are its purpose and advantages? Mention the types of maintenance schedules.
4. Explain the tractor suspension system with neat sketch.
5. What is camber in steering system? Explain the power steering system of tractor with neat sketch.

OR

Explain the principle, construction and working of torque convertor with its characteristics curves.

6. What is the under carriage? Compare tyre and tracked vehicle discussing the advantage and disadvantage of every.
7. Describe how the productivity of the bulldozer shovel can be increased.

OR

Describe in brief the operating cost calculation of a dump truck.

8. Explain organization set up. What is the importance of documentation? Also explain the basic rules of matching machine.
