

Total No. of Questions : 8]

[Total No. of Printed Pages : 2

Roll No

ME-7002-CBGS

B.E. VII Semester

Examination, June 2020

Choice Based Grading System (CBGS)

Automobile Engineering

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Discuss types of chassises.
b) How testing of frames is done for bending and torsion?
2. Explain concept of front and rear wheel drives and four wheel drives.
3. Explain followings:
 - a) Toe in and Toe out
 - b) Condition for true rolling motion
4. Explain followings:
 - a) Power steering
 - b) Gyroscopic effect on steering gears
5. Discuss functions and types of Clutches.

ME-7002-CBGS

PTO

[2]

6. Explain followings:
 - a) Constant velocity universal joints
 - b) Differential gear box

7. a) What are the functions of Shock absorbers? How they work?
b) Write a brief note on Modern braking system of automobiles.

8. Write short notes on followings:
 - a) Euro and Bharat norms of emissions
 - b) Catalytic convertors
 - c) Wheel alignment procedure
 - d) Mechanical hydraulic brakes

ME-7002-CBGS