

2007 NATIONAL INSTITUTE OF TECHNOLOGY
B.TECH MECHANICAL ENGINEERING
AUTOMOBILE ENGINEERING QUESTION PAPER

ROLLNO.....

NOV 2007

TIME:3 HOUR
MARK:100

ANSWER ALL THE QUESTIONS

1. Why is constant mesh gear box so called?
2. What is the principle of a " synchromesh" gear box?
3. What is wet clutch and where it is located?
4. What is fluid coupling?
5. what is a universal joint?
6. What is the difference between dead axle and live axle?
7. What is three-quarter floating type rear axle?
8. what is the main difference between a standard and limited slip differential?
9. what is the term double declutching?
10. what is the difference between fluid coupling and torque converter?
11. What is brake lining and its function?
12. What is bleeding of brake?
13. What is camber and why it is provided?
14. What is steering ratio?
15. What are the function of final derive?
16. what do you mean by independent suspension?
17. What is the difference between frame and chassis?
18. What is sprung and unsprung weight?
19. what is the purpose of installing the coil spring in a clutch plate?
20. What is the vibration damper and where it is installed?