



Enrolment No. _____

HASMUKH GOSWAMI COLLEGE OF ENGINEERING, VAHELAL

MID SEMESTER EXAMINATION, SEPTEMBER-2016

Subject Code: 2150207

Date: 23/09/2016

Subject Name: Automobile Transmission

Sem: 5TH

Time: 10:00 TO 10:50

Total Marks: 20

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

QUE.1	(A) Define following terms	3
	i) Tractive effort	
	ii) Rolling resistance	
	iii) Air resistance	
	(B)	3
	With neat sketch explain construction and working single plate clutch.	
QUE.2	(A)	3
	Explain maintenance of gear box.	
	(B)	4
	With neat sketch explain constant mesh gear box.	
	OR	
	(B)	4
	With neat sketch explain epi-cyclic gear train.	
QUE.3	(A)	3
	With neat sketch explain free wheel unit.	
	(B)	4
	With neat sketch explain torque converter.	
	OR	
	(A)	3
	List the desired properties of clutch lining material.	
	(B)	4
	Explain construction and working of Fluid flywheel.	

***** **ALL THE BEST** *****