



Enrolment No. _____

HASMUKH GOSWAMI COLLEGE OF ENGINEERING, VAHELAL

MID SEMESTER EXAMINATION, SEPTEMBER-2016

Subject Code: 2170204

Date: 26/09/2016

Subject Name: VT&H

Sem: 7TH

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) Need of vehicle testing and homologation? 3

(B) What is engine analyzer? Explain for petrol and diesel engine. 3

QUE.2 (A) What is gradability test? Explain in detail. 3

(B) Explain wind tunnel testing. 4

OR

(B) Explain road testing. 4

QUE.3 (A) Explain wheel alignment testing. 3

(B) Explain car crash test and side impact test. 4

OR

(A) Explain fundamental of vibration in vehical and its control. 3

(B) Describe Fire resistance test and bumper test. 4

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