



Enrolment No. _____

HASMUKH GOSWAMI COLLEGE OF ENGINEERING, VAHELAL

MID SEMESTER EXAMINATION, SEPTEMBER-2016

Subject Code: 2150208

Date: 27/09/2016

Subject Name: AES

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) Explain Battery Rating. 3

(B) 1. Write chemical actions take place during Charged and Discharged process of Battery. 3

2. What is Ballast Resistance?

3. Different types of Battery test.

QUE.2 (A) Explain Construction of spark plug. 3

(B) Write a note on Voltage and Current regulator. 4

OR

(B) Why automobile required charging system? Explain construction of Alternator. 4

QUE.3 (A) Write a note on Horns. 3

(B) Explain Bendix starter drive. 4

OR

(A) Explain Head lamp and Fog lamp. 3

(B) Explain Battery ignition system with neat sketch. 4

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