



Enrolment No. _____

HASMUKH GOSWAMI COLLEGE OF ENGINEERING, VAHELAL
MID SEMESTER EXAMINATION, SEPTEMBER-2016

Subject Code: 2130607

Date: 29/9/16

Subject Name: BC

Sem: 3RD

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) Describe the following with fig.: (1) King closer(2)Header(3) Strecher. **3**
- (B) Describe in brief Wash boring. **3**
- QUE.2** (A) What is sub surface investigation? What are the purposes of site exploration? **3**
- (B) Explain the methods of improving safe bearing capacity of soil. **4**
- OR**
- (B) What do you understand by 'Raft foundation'? When do you prefer it? Draw the sketch of it. **4**
- QUE.3** (A) State various types of bonds in brick masonry. Explain in detail any one type of bond with sketch. **3**
- (B) Write the difference between the rubble masonry and ashler masonry. **4**
- OR**
- (A) Describe the ingredients of cement concrete and explain the function of any two ingredients. **3**
- (B) Enlist the various types of doors. Explain any two of them with neat sketch. **4**

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