



Enrolment No. \_\_\_\_\_

**HASMUKH GOSWAMI COLLEGE OF ENGINEERING, VAHELAL**

**MID SEMESTER EXAMINATION, SEPTEMBER-2016**

**Subject Code:2150206**

**Date:26/09/2016**

**Subject Name: Automotive Manufacturing**

**Sem: 5<sup>TH</sup>**

**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) Classification of metal casting process. 3**

**(B) Explain types of pattern. 3**

**QUE.2 (A) Compare direct and indirect extrusion. 3**

**(B) Explain investment casting. 4**

**OR**

**(B) Explain TIG welding. 4**

**QUE.3 (A) Explain welding defects. 3**

**(B) Explain bar drawing and tube drawing with neat sketch 4**

**OR**

**(A) Explain with neat sketch resistance spot welding process. 3**

**(B) Difference between hot chamber die casting and cold chamber die casting. 4**

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