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

Subject Code: 2150707   **Date: 27-09-2016**
Subject Name: MPI   **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 instruction of 8085. XCHG, DAA, XTHL	**3**
	(B)	Explain Pins of 8085. ALE , INTR, HOLD	**3**
QUE.2	**(A)**	Draw timing diagram of STA instruction.	**3**
	(B)	Explain Interrupts of 8085 in detail.	**4**

<div align="center">OR</div>

	(B)	Write an assembly language program to generate Fibonacci series.	**4**
QUE.3	**(A)**	Explain Architecture of 8086.	**3**
	(B)	Explain operational modes of 8255.	**4**

<div align="center">OR</div>

	(A)	Draw and Explain Functional block diagram of 8279.	**3**
	(B)	Interface 2k ROM and 2K RAM with 8085 and draw its suitable diagram.	**4**