QP Code:14864

•			(3 Hours) [Total Marks: 80	
N.E			Question no. 1 is compulsory. Attempt any three question out of remaining five. Figures to the right indicate full marks. Assume suitable data wherever necessary.	
1		(a) (b) (c) (d) (e)	Explain 8086 flag register. Explain the features of 8255. Explain 8086 interaction with DMA controller (8237). Explain the address transfer instructions of 8086. Explain in brief control register and status register of 8087.	20
2.	(a)		esign an 8086 based maximum mode system working at 6 MHz having flowing specification.	20
3.	(a) (b) (c)	Ex	raw and explain architecture of 8086. Explain the memory organization 3086. Explain generation of 20 bit physical address with suitable example.	10 5 - 5
4.	(a) (b)	Ju	splain Harward Architecture of a general computer system. stify how queing and pipelining fails in case of branch instructions. rite an assembly language program to calculate an area of circle using 8087.	5 10
5.	(a) (b)		eplain string instructions of 8086 microprocessors. Explain the process of normalization with an example.	10 10
6.	(a) (b) (c)	Ex	hat are maskable and non-maskable interrupts. Explain IVT. uplain PUSH and POP instructions of 8086. uplain BSR mode of 8255.	10 5 5

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