Digital Computer Fundamentals 2007 June

Science Information Technology

FYBSc-IT

Semester 1

University Exam

University of Mumbai

shaalaa.com

on. 81-07.

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(2) Attempt any four from Q. 2 to Q. 7.(3) Draw neat diagrams wherever necessary.

(3) Draw ne	eat diag	rams wherever necessary.	94. Francisco
1.	i)	Explain 8085 architecture in detail.	12Mks
200	ii)	Explain 8085 bus organization.	8Mks
2.	i)	Draw and explain the functional view of a computer.	8Mks
	ii)	Write a Short Note on 'IND MEMORY!	12Mks
3.	i) _	Write a Short Note on cache memory.	10Mks
	ii)	Explain DMA.	8Mks
e	iii)	How many pins does 8085 IC have just state the names of any 5.	2Mks
- 4.	· 1)	Explain push and POP instructions.	8Mks
128	ii)	What is instruction cycle ?	4Mks
3	iii)	Explain set associative mapping for cache memory,	6Mks
	iv)	Define stack pointer Register.	2Mks
5.	i) _	What is a subroutine? Explain instructions related to it.	10Mks
14	ii)	Explain I/O modules in detail.	10Mks
6.	i)	Explain symmetric multiprocessor.	10Mks
	ii)	Explain functions of an operating system.	10Mks
.7.	i)	What is stack? Explain the instructions related to it.	10Mks
3	ii)	What is mapping? Explain mapping techniques of cache memory.	10Mks
	200		