Digital Computer Fundamentals 2009 June

Science Information Technology

FYBSc-IT

Semester 1

University Exam

University of Mumbai

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or HP 13

(b) Write a note on interrupted.

FYBSc-IT SEM-I

11th June 2009

Con. 81-09.

Digital Computer Fundamental

AA-5397

[Total Marks: 100

N.B.: (1) Question No. 1 is compulsory. (2) Attempt any four questions from remaining. (3) Draw neat diagrams wherever necessary. 1. (a) Explain instruction pipelining. 10 (b) Explain PCI bus structure. 10 2. (a) Write an ALP to subtract two 8 bit numbers stored at memory location 6000 H and 6001 H. (b) Explain various method of catch mapping. 10 3. (a) Explain any five instructions of arithmetic group. 10 (b) Explain RAID with its various level. 10 4. (a) Explain different addressing modes with example. 10 (b) Explain DMA with block diagram. 10 5. (a) Compare the programmed, DMA and interrupt in a transfers mode for input and output. 10 (b) Explain in detail the terms :-10 (i) Multiprocessors. (ii) Multiprogramming. 6. (a) Explain stack memory.

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