

Code No: 114CN

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

II B.Tech. II Sem., II Mid-Term Examinations, April - 2015

COMPUTER ORGANIZATION

Set No. 3

Objective Exam

Name: _____

Hall Ticket No. _____

Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I Choose the correct alternative:

- Contents addressable Memory (CAM) is related to
a) Page table b) Associative Page table c) Inverted Page table d) Normal Page table []
- If the size of the Page is 1K for a Virtual Address space of 16K, the size of the Frame in main Memory is
a) 16K b) 8K c) 4K d) 1 K []
- The 8086 has 20 bit address lines and _____ bit data bus
a) 12 b) 14 c) 16 d) 20 []
- _____ contains control/circuitry which directs internal operation.
a) EU b) BIU c) ES d) CS []
- The 8086 processor consists of _____ conditional flags.
a) 4 b) 6 c) 8 d) 3 []
- "Locality of Reference" is related to
a) Register b) Cache c) Primary Memory d) Magnetic Tape []
- In the Memory Hierarchy, the following Memory has least capacity
a) Register b) Cache c) Primary Memory d) Magnetic Tape []
- If Cache Access time is 100ns, Memory access time is 1000ns, if the hit percentage is 100 %, what is the Average access time
a) 100 b) 1000 c) 1100 d) 10 []
- In Cache, the data stored is
a) Most frequently used b) Least frequently used c) Never used d) Segment with large data []
- The transfer of data between Processor and Cache is
a) Character b) Block c) Frame d) Word []

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II Fill in the Blanks

- The memory unit that communicates directly with the CPU is called _____.
- process a number of independent programs is called _____.
- The cache access time is less than the access time of main memory by a factor of _____.
- The transformation of data from main memory to cache called _____.
- The performance of cache memory is frequently measured in terms of a quantity called _____.
- _____ handles all transfer of data.
- A _____ is a flip-flop which indicates some condition produced by the execution of an instruction.
- _____ is used for single stepping through a program.
- The ALU is also called as _____.
- Pin 32 of 8086 is labelled as _____.