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Total No.of Pages:01

BCA,SEM 2ND , MAY –2014
COMPUTER SYSTEM ARCHITECTURE
Paper Code (BSBC-204)
Paper Id. [B1116]

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates :

- 1) Section – A is Compulsory.
- 2) Attempt any Four questions from Section – B.

SECTION - A

Q1)

(10 x 2 = 20)

- a) Define Flynn's classification of computers?
- b) What are the basic operations that are called out in registers?
- c) Define register reference instructions.
- d) What is External interrupt?
- e) What is the use of I/O interface unit ?
- f) List various types of ports.
- g) Discuss advantages of associative memory.
- h) Define Direct mapping in context to cache memory.
- i) List various characteristics of micro programmed control unit.
- j) Define address bus.

SECTION - B

(4 x 10 = 40)

- Q2) What is stored program concept? Explain Von neuman architecture in detail.
- Q3) Define instructions format and also discuss types of instruction with example.
- Q4) Discuss the I/O organization of a computer system and data transfer through handshaking
- Q5) What do you mean by control unit? Explain types of control unit in detail.
- Q6) Define page replacement. Explain any two page replacement algorithms with the help of example.
- Q7) Explain the following
- a) Memory hierarchy
 - b) Mobile Devices Architecture

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