

Roll No.....

Total No.of Pages:01

**BCA,SEM 2<sup>ND</sup> , 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

-----**END**-----