TribhuvanUniversity

Faculty of Humanities & Social Sciences
OFFICE OF THE DEAN
2018

Bachelor in Computer Applications   **Full Marks: 60**
Course Title: Microprocessor and Computer Architecture   **Pass Marks: 24**
Code No: CACS 155   **Time: 3 hours**
Semester: II

Centre: **Symbol No:**

Candidates are required to answer the questions in their own words as far as possible.

Group - A

Attempt all the questions.   [10×1 = 10]

Circle (O) the correct answer.

1. How many number of pins are there in 8085 Microprocessor?
   - a) 16
   - b) 20
   - c) 32
   - d) 40
2. Which one of the following interrupt has the highest priority?
   - a) RST7.5
   - b) TRAP
   - c) RST6.5
   - d) RST5.5
3. How many bytes make a word of 32 bits?
   - a) One Byte
   - b) Two Bytes
   - c) Three Bytes
   - d) Four Bytes
4. Which one of the following flag has set or reset value on the basis of even or odd number of 1's in result?
   - a) Zero
   - b) Carry
   - c) Parity
   - d) Sign
5. What is the size of MOV B, A instruction in 8085 Microprocessor?
   - a) One Word
   - b) Two Word
   - c) Three Word
   - d) Four Word
6. Which one of the following bit(s) specify the direct or indirect address?
   - a) Address bits
   - b) Opcode Bits
   - c) Mode Bit
   - d) Control Word
7. Which one of the following term is correct for the process of transformation of the instruction code bits to an address in control memory where the routine is located?
   - a) Mapping
   - b) Pipelining
   - c) Sequencing
   - d) Acknowledging
8. Which one of the following is not a logical and bit manipulation operation?
   - a) Enable Interrupt
   - b) Increment
   - c) Clear Carry
   - d) Clear
9. Which one of the following is not the pipelining hazard?
   - a) Data dependency
   - b) Resource conflict
   - c) Branch conflict
   - d) Interrupt Hazard
10. Which one of the following organization of parallel processing is only a theoretical interest since no practical system has been constructed?
    - a) SISD
    - b) SIMD
    - c) MISD
    - d) MIMD