[49] SEAT No._____ No. of Printed Pages : 2

Sardar Patel University

BCA Examination (I Semester) NC (OLD COURSE)

Thursday, 25th October 2018

10.00 AM – 01.00 PM

COMPUTER ORGANIZATION: US01CBCA02

Total Marks: 70

Q-1. Multiple Choice Questions. **[10]**

1) The ALU and CU jointly known as :
   A. RAM B. ROM
   C. CPU D. None of the above

2) Processors of all computers, whether micro, mini or mainframe must have
   A. ALU B. Primary Storage
   C. Control unit D. All of above

3) The number of digits in Hexadecimal system is
   A. 15 B. 17
   C. 16 D. 8

4) Extra bit added to a string of bits to detect errors is known as_____
   A. Additional bit B. Correction bit
   C. Parity bit D. Updation bit

5) In pipeline _____unit Execute the instruction .
   A. Fetch B. Decode
   C. Execution D. Write back

6) Which memory is permanent type memory
   A. ROM B. RAM
   C. EPROM D. EEPROM
   D.

7) What is the full form of PC register
   A. Pointer code B. Program counter register
   C. Perfect combination register D. None of them

8) Which one is the input device
   A. Printer B. Scanner
   C. Plotter D. None of them

9) Monitor is made up of
   A. CRT B. CPU
   C. Keyboard D. None of these

10) A byte corresponds to
   A. 4 bits B. 8 bits
   C. 16 bits D. 32 bits

Q-2 Short Questions [Any ten] **[20]**

1. Define: Software with examples.
2. Define: Hardware with examples.
3. Explain second generation of computer.
4. What is number system? List all number systems.
5. Explain multicomputer.
6. Explain 1's complement method with example.
7. What is UNICODE?
8. Define direct addressing.
9. Explain Cache memory.
10. What is keyboard?
11. What do you mean by inkjet printer?
12. Explain static RAM.

Q-3

A. Draw the Block diagram of Computer and explain its functions. [5]
B. Write a short note on application of computer. [5]

OR

A. Explain Evolution of computers. [4]
B. Conversation of number. [6]
(1) $(10001111)_2 = (?)_{10}$ (2) $11001100_2 + 00110011_2 = (?)_2$

Q-4

A. Explain Hamming code method with example. [6]
B. Explain Excess Notation with example. [4]

OR

A. Write a note on Vonn Neumann machine. [6]
B. Write short note on ASCII. [4]

Q-5

A. Explain pipelining. [5]
B. Write short note on ROM. [5]

OR

A. Write a note on Array processor. [4]
B. Write short note on floppy disk. [6]

Q-6

A. Explain Keyboard with all kind of keys. [5]
B. Write a note on Scanner. [5]

OR

A. Explain all Addressing Technique in detail with examples. [6]
B. Differentiate between dot-matrix and laser printer. [4]

—X—