C.U.SHAH UNIVERSITY
Summer Examination-2017

Subject Name :Computer Basics & Organization

Subject Code : 4CS01ICO2   **Branch: B.Sc.IT.**

Semester : 1   **Date :   24/03/2017**   **Time : 10:30 To 01:30**   **Marks : 70**

Instructions:
   (1) Use of Programmable calculator & any other electronic instrument is prohibited.
   (2) Instructions written on main answer book are strictly to be obeyed.
   (3) Draw neat diagrams and figures (if necessary) at right places.
   (4) Assume suitable data if needed.

Q-1   **Attempt the following questions:**   **(14)**
   a) What is binary number system?
   b) What is the full form of CRT?
   c) What do you meant by Computer?
   d) Define the term: Bit
   e) Give suitable example of Binary Addition
   f) What is the full form of RAM?
   g) What do you meant by ASCII code?
   h) What is scanner?
   i) What is the full form of GPS?
   j) What is the full form of ROM?
   k) Define the term: Bluetooth
   l) What is Li-Fi?
   m) What is the full form of CD?
   n) Define the term: Nibble

Attempt any four questions from Q-2 to Q-8

Q-2   **Attempt all questions**
   a) Draw the block diagram of Computer architecture and explain in details   **(5)**
   b) List out various characteristics of a computer and explain them   **(5)**
   c) Describe analog and digital computers   **(4)**

Q-3   **Attempt all questions**
   a) Discuss Bus with its types   **(5)**
   b) Write a note on: Printers   **(5)**
   c) Explain Keyboard as an input device   **(4)**

Q-4   **Attempt all questions**
   a) Explain Magnetic tap   **(5)**
   b) Explain cache memory   **(5)**

	c)	Differentiate RAM and ROM	**(4)**

Q-5   **Attempt all questions**
- **a)** Discuss full adder with suitable diagram   **(5)**
- **b)** Explain multiplexer with suitable diagram   **(5)**
- **c)** Note on: Batch OS   **(4)**

Q-6   **Attempt all questions**
- **a)** Discuss multiprocessor OS   **(5)**
- **b)** Write a note on: Mouse   **(5)**
- **c)** Differentiate Compiler and Interpreter   **(4)**

Q-7   **Attempt all questions**
- **a)** Explain WI-FI   **(5)**
- **b)** Discuss OR gate with suitable truth table   **(5)**
- **c)** Explain Half duplex   **(4)**

Q-8   **Attempt all questions**
- **a)** Explain instruction formats   **(5)**
- **b)** Discuss Addressing modes   **(5)**
- **c)** Convert decimal number (156) to binary number   **(4)**