$9c$

SARDAR PATEL UNIVERSITY
B.B.A (ISM) (I Sem.) Examination
Thursday, 23 April 2015
2.30 – 4.30 pm
UM01CBBS02 - Logical Organization of Computer

Total Marks: 60

Q.1

A. Convert $(10110110)_2 = (?)_{10}$ **10**
    Convert $(157)_8 = (?)_{16}$
    Convert $(AF8)_{16} = (?)_8$
    Convert $(111011000101010010)_2 = (?)_{16}$
    Convert $(125.36)_{10} = (?)_2$

B. Explain ASCII,BCD,EBCDIC in detail   **05**

OR

Q.1

A. Explain 1's Complement and 2's Complement with example.   **07**

B. Explain Block diagram of a simple computer and its different functional units.   **08**

Q.2

A. Explain Logical Gates in details.   **10**

B. Explain Boolean algebra in detail.   **05**

OR

Q.2

A. What do you mean by Truth Table? Explain in detail with example.   **07**

B. Explain De-Morgan's Theorems with examples.   **08**

Q.3

A. Explain the following.   **10**
    1. Array processor 2.   Pipeline machines
    Explain single pipeline with a multifunctional unit in the detail.   **05**

B.

OR

Q.3

A. Explain the following.   **10**
    1. Multi processor   2. Multi computer
    Explain data path of von Neumann machine.   **05**

B.

Q.4

A. What is Printer? List and Explain any two printers in detail.   **10**

B. Explain floppy disk and hard disk in details.   **05**

OR

Q.4

A. List all Input output devices and explain any four of them.   **10**

B. Explain ROM and RAM in detail.   **05**

*************************************** ALL THE BEST ***************************************