

SARDAR PATEL UNIVERSITY
B B A (I Semester) Examination
24 April 2015 (Friday)
2.30 - 4.30 pm
UM01CBBI03 – Computer Organisation

Total Marks : 60

- Q. 1 [A] Explain following in detail with suitable examples. [08]
 1. Single Precision Method
 2. Double Precision Method
- [B] List out various number system. Explain Octal and Hexadecimal number system in detail. [07]

OR

- Q. 1 [A] Solve the Following Problems: [08]
 1. $(111)_8 = (?)_{10}$
 2. $(110011)_2 = (?)_{10}$
 3. $(B2B)_{16} = (?)_8$
 4. $(128)_{10} = (?)_2$
- [B] List out various character codes and explain ASCII code & EBCDIC code in detail. [07]
- Q. 2 [A] Explain the following in detail: [12]
 a) Pipeline Machine
 b) Data Path Cycle
 c) Array Processor
- [B] List out steps of Fetch Decode Cycle. [03]

OR

- Q. 2 [A] Write a note on: [12]
 1. Direct Addressing
 2. Indirect Addressing
 3. Stack Addressing
- [B] Explain Immediate Addressing in brief. [03]
- Q. 3 [A] Explain following: [12]
 1. VDU
 2. Flatbed Scanner
 3. Laser Printer
 4. Mouse
- [B] Differentiate: Impact and Non-Impact Printer [03]

Q. 3 [A] Define: Memory. Explain RAM and ROM in detail. [10]
[B] Write a note on: Hard Disk [05]

Q. 4 [A] Explain SAP – I Architecture in brief [09]
[B] Explain following in brief: [06]
1. Address State
2. Memory State

OR

Q. 4 [A] Explain Execution Cycle in detail [09]
[B] Write a note on: Micro Program [06]

Best of Luck