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SARDAR PATEL UNIVERSITY
FYBBA-ITM First Semester EXAMINATION CBCS (4 Year) NC
18/04/2016 (Monday)
Computer Organization (UM01CBB103)

Time: 2.30 pm – 4.30 pm

Total Marks: 60

Q.1

- (A) What is character code? Write a short note on ASCII code. [7]
(B) What is Binary number system? Explain Decimal to Binary conversion with fraction part by taking appropriate example. [8]

OR

Q.1

- (A) What is Parity bit? Generate Hamming Code for the character "D" by using even parity bit method. [7]
(B) Represent $(105.25)_{10}$ by using single precision storage representation method. [8]

Q.2

- (A) Evaluate the expression $(2*3)-(5+1)/2$ by using stack addressing. [7]
(B) Write a short note on Multiple functional units and Pipeline machines. [8]

OR

Q.2

- (A) Explain Data Path of typical von- Neumann machine. [7]
(B) Explain indirect and Immediate Addressing. [8]

Q.3

- (A) Write a short note on KEYBOARD and MOUSE. [7]
(B) Write a short note on Hard disk. [8]

OR

Q.3

- (A) Write a short note on FLOPPY Disk. [7]
(B) Write a short note on Laser Printer. [8]

Q.4

- (A) List and Explain the Instruction set in SAP-1 Architecture. [7]
(B) Draw the diagram of SAP-1 Architecture. Explain Program counter. [8]

OR

Q.4

- (A) Explain Execution cycle for ADD routine. [7]
(B) Write a short note on Controller-sequence, and Input and MAR of SAP-1 Architecture. [8]

*******All the Best*******