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SARDAR PATEL UNIVERSITY

S.Y.B.Sc : SEMESTER – III

US03CCSC02: COMPUTER ORGANIZATION

Thursday, 21st November - 2013

Time : 02:30pm to 05:30pm

Max.Marks : 70

Q.1 Multiple choice of Question

10

- [1] CPU stands for
(a) Control Processing Unit (b) Central Processing Unit
(c) Control Programming Unit (d) None of above
- [2] In Hexadecimal Number system, F is stands for ____
(a) 09 (b) 10 (c) 15 (d) None of above
- [3] In Octal Number system, base is _____.
(a) 8 (b) 7 (c) 9 (d) None of above
- [4] ASCII equivalent of A is
(a) 66 (b) 65 (c) 68 (d) 67
- [5] ASCII equivalent of 9 is
(a) 56 (b) 57 (c) 58 (d) 59
- [6] Extra bit added to a string of bits to detect errors is known as ____
(a) Additional bit (b) Correction bit
(c) Parity bit (d) updating bit
- [7] The Full form of RAM is.
(a) Read only memory (b) Read and write memory
(c) Random access memory (d) Really a memory
- [8] The full form of RAID is
(a) Redundant Array of inexpensive Disk (b) Read Array in disk
(c) Rapid access in disk (d) None of these
- [9] Which one is the input device
(a) Printer (b) Scanner
(c) Plotter (d) none of them
- [10] Which one is output device
(a) keyboard (b) Scanner
(c) mouse (d) plotter

Q.2 Attempt any 10 questions

20

- [1] Define the terms 'Hardware' and 'Software'.
- [2] List out the limitations of Primary Storage.
- [3] Explain the conversion of Decimal to Octal method.
- [4] Explain 1's complement method with example.
- [5] List stages of pipelining
- [6] Explain multifunction unit.
- [7] What is ROM?
- [8] What do you mean by PROM?
- [9] What is Instruction register?
- [10] Differentiate: input device and output device.
- [11] Define line printer.
- [12] What is keyboard?

Conti...

- Q.3 [A] Explain Input Unit with its functions. 5
[B] Write a brief note on Evaluation of Computers. 5
- OR
- Q.3 [A] Explain Output Unit with its functions. 5
[B] Explain the conversion of Binary to Decimal and Octal to Decimal with suitable examples. 5
- Q.4 [A] Explain CPU organization with diagram. 5
[B] Explain multiprocessor. 5
- OR
- Q.4 [A] Write a note on Vonn Neumann machine 5
[B] Explain array processor with diagram 5
- Q.5 [A] Explain Flash drive. 5
[B] Explain Various types and organization of secondary storage device. 5
- OR
- Q.5 [A] Explain Hard Disk with diagram. 5
[B] Explain the block diagram of Processor and memory architecture of a computer system. 5
- Q.6 [A] Explain monitor by drawing CRT. 5
[B] Write a note on Mouse. 5
- OR
- Q.6 Explain all Addressing Technique in detail with examples. 10

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