V.P. & R.P.T.P. Science College

S.Y. B.Sc (SEMESTER III) INTERNAL EXAMNINATION: October -2018

US03CCSC02 [Computer Organization]

Date: 03-10-2018 Time: 3.00 P.M. to 5.00 P.M. Max.Marks: 50

Q - 1 Multiple Choice Question: [08]

1] OCR stands for _____.
   a) Optical Character Recognition b) Opac Character Reader
   c) Optical Comparison Reader d) None

2] In Hexadecimal Number system, F is stands for _____.
   a) 09 b) 15 c) 10 d) None

3] 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

4] ASCII equivalent of A is_____.
   a) 66 b) 67 c) 68 d) 65

5] What is the full form of MAR?
   a) Memory And Register b) Memory Address Register
   c) Memory at Registers d) None

6] What is the full form of USB?
   a) Universal Serial Bus b) Universal System Bus
   c) Uniform System Bus d) None

7] If there is a mechanical contact between the print head and paper then this kind of printer is known as _____.
   a) Impact printer b) Non-impact printer
   c) Normal printer d) None

8] Registers are used to _____.
   a) Hold information temporarily b) Save the information
   c) Delete the information d) None

Q - 2 Answer the following in short: (Attempt Any Five) [10]

1] Define the terms 'Hardware' and 'Software'.
2] List the functions of Input Unit.
3] Explain signed and magnitude method with example.
4] Explain 1's complement method with example.
5] Explain RAM.
6] Explain cache memory.
7] Define Dot Matrix Printer.
8] Define Scanner.

Q - 3 Explain the conversion of Binary to Decimal with suitable example. [08]

OR

Q - 3 Explain the addition and subtraction of Binary with suitable examples. [08]

Q – 4 Explain Hamming Code with example. [08]

OR

Q – 4 Explain pipelining with example. [08]

Q - 5 Write a short note on secondary storage. [08]

OR

Q - 5 Explain hard disk with diagram. [08]

Q - 6 Explain monitor by drawing CRT. [08]

OR

Q - 6 Explain all addressing techniques with examples. [08]