HDG-003-1041003    Seat No. _____

# B. Sc. (IT) (Sem. I) (CBCS) Examination

## November / December – 2017

## CS-03 : Computer Fundamental & Emerging Technology

*(New Course)*

**Faculty Code : 003**

**Subject Code : 1041003**

Time : $2\frac{1}{2}$ Hours]                                [Total Marks : 70

1    (A)    Attempt following :                                    4

(1)    EEPROM stand for _____.

(2)    PCI stands for _____.

(3)    Full form of A.L.U.

(4)    What is control unit ?

(B)    Attempt any one :                                        2

(1)    List out types of motherboard slot.

(2)    Give the difference between data and information.

(C)    Attempt any one :                                        3

(1)    Explain non-volatile memory.

(2)    Define graphic card.

(D)    Attempt any one :                                        5

(1)    Explain block diagram of computer.

(2)    What is processor? Explain its type in brief.

**2** (A) Attempt following : 4

    (1) Full form of MICR ?

    (2) Response time = _____ .

    (3) POS used for _____ .

    (4) Hard disk is _____ type storage device.

  (B) Attempt any one : 2

    (1) Explain punch card.

    (2) What is flash memory ?

  (C) Attempt any one : 3

    (1) Explain magnetic disk storage.

    (2) Explain blu-ray disk.

  (D) Attempt any one : 5

    (1) What are scanners ? Explain its type in brief.

    (2) How to reading / writing data to and from storage device?

**3** (A) Attempt following : 4

    (1) DPI stands for.

    (2) Full form of CCFL.

    (3) Inkjet printer is _____ type of printer.

    (4) Full form of OHP.

  (B) Attempt any one : 2

    (1) What is Google glass ?

    (2) List out types of monitor display.

(C) Attempt any one : **3**

    (1) Give the difference between flatbed plotters and drum plotter.

    (2) Explain plasma display panel.


(D) Attempt any one : **5**

    (1) What is output device ? Explain in brief.

    (2) Explain non-impact printer in brief.


**4** (A) Attempt following : **4**

    (1) Full form of EBCDIC.

    (2) 1024ZB = _____ YB.

    (3) Base of octal numbering system is _____ .

    (4) 5GL stands for _____ .


(B) Attempt any one : **2**

    (1) What is translator ?

    (2) What is system software ?


(C) Attempt any one : **3**

    (1) Difference between batch OS and Multiprocessing OS.

    (2) $(101111100.1011)_2 = ($_____$)_8$


(D) Attempt any one : **5**

    (1) What is operating system ? Explain its types in brief.

    (2) 11101011010 - 110110 using $1^{st}$ and $2^{nd}$ compliment.

**5** (A) Attempt following : 4

     (1) GUI stands for.

     (2) Full form of CDMA.

     (3) _____ is Wild card characters.

     (4) Full form of GSM.

    (B) Attempt any one : 2

     (1) Explain modem.

     (2) How to protect from VIRUS.

    (C) Attempt any one : 3

     (1) Explain 3GL.

     (2) Explain term buffer and spooling.

    (D) Attempt any one : 5

     (1) What is cloud computing ? Explain in brief.

     (2) List out communication method. Explain in brief.

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