PBL-003-1041003   Seat No. _____

B. Sc. (I.T.) (Sem. I) (CBCS) Examination

November / December - 2018

CS - 03 : Computer Fundamental & Emerging Technology

Faculty Code : 003
Subject Code : 1041003

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

1 (a) Objective type questions.   **4**

   (1) Third Generation time period's _____.

   (2) RAM stands for _____.

   (3) ROM stands for _____.

   (4) USB stands for _____.

 (b) Answer in brief : (any **1** out of 2)   **2**

   (1) What is Graphic Cards ?

   (2) Write uses of Network Card.

 (c) Answer in detail : (any **1** out of 2)   **3**

   (1) Explain types of processors.

   (2) Explain Types of Slots.

 (d) Write a note on : (any **1** out of 2)   **5**

   (1) Write a Simple Model of Computer.

   (2) Explain Digital and Hybrid Computer.

2 (a) Objective type questions :   **4**

   (1) POS stands for _____.

   (2) MIDI stands for _____.

   (3) CD stands for _____.

   (4) DVD stands for _____.

(b) Answer in brief : (any **1** out of 2)　　　　　　**2**

    (1) What is Time/Response Time ?

    (2) What is Trackball ?

(c) Answer in detail : (any **1** out of 2)　　　　　　**3**

    (1) Explain Reading/Writing data to and from storage devices.

    (2) Explain Camera and Terminal.

(d) Write a note on : (any **1** out of 2)　　　　　　**5**

    (1) Explain Cloud Storage.

    (2) Explain Types of Magnetic Storage Devices.

3 (a) Objective type questions.　　　　　　**4**

    (1) LCD stands for _____.

    (2) LED stands for _____.

    (3) CRT stands for _____.

    (4) Printer in which printing head and paper is forced together to form letters is called _____.

(b) Answer in brief : (any **1** out of 2)　　　　　　**2**

    (1) What is Google Glass ?

    (2) What is use of Head Phone ?

(c) Answer in detail : (any **1** out of 2)　　　　　　**3**

    (1) Explain NON CRT Display Unit.

    (2) Explain Fascimile.

(d) Write a note on : (any **1** out of 2)　　　　　　**5**

    (1) Explain Plasma Display.

    (2) Explain NON impact printer.

4 (a) Objective type questions.　　　　　　**4**

    (1) EBCDIC stands for _____.

    (2) GB stands for _____.

    (3) MB stands for _____.

    (4) BCD stands for _____.

(b) Answer in brief : (any **1** out of 2)　　2

    (1) What is Bit ?

    (2) $(15)_{10} = (?)_2$

(c) Answer in detail : (any **1** out of 2)　　3

    (1) $(1010)_2 * (11)_2 = (?)_2 \ (?)_{16}$

    (2) $(110010)_2 \ / \ (101)_2 = (?)_2 \ (?)_{16}$

(d) Write a note on : (any **1** out of 2)　　5

    (1) Explain Byte, Carry Bit, Parity Bit, Sign Bit.

    (2) $(1011001)_2 - (10011)_2 = (?)_2$ using 2's Compliment Method.

5 (a) Objective Type Questions.　　4

    (1) WIFI stands for _____.

    (2) LIFI stands for _____.

    (3) SLM stands for _____.

    (4) ATM stands for _____.

(b) Answer in brief : (any **1** out of 2)　　2

    (1) What is Virus ?

    (2) What is Cloud Computing ?

(c) Answer in detail (any **1** out of 2)　　3

    (1) Explain Compiler and its types.

    (2) Explain GIS.

(d) Write a note on : (any **1** out of 2)　　5

    (1) Explain Characteristics and Service Models in Cloud Computing.

    (2) Explain Shutdown, Reboot and Restart.

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