



MBN-003-1021001 Seat No. _____

P. G. D. C. A. (Sem. I) (CBCS) Examination

April / May - 2018

**CS - 01 : Computer Fundamentals & Emerging
Technology**

Faculty Code : 003

Subject Code : 1021001

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- 1 (A) Attempt the following questions : 4
- (1) Which memory is nonvolatile and may be written only once?
 - (2) In how many generations a computer can be classified?
 - (3) Any data or instruction entered into the memory of a computer is considered as _____
 - (4) The processor which performs arithmetical and logical operations is called _____
- (B) Attempt Any **One** : 2
- (1) Write a definition of a Computer System.
 - (2) What is Hybrid Computer?
- (C) Attempt Any **One** : 3
- (1) Explain Types of Processor.
 - (2) Explain Data Processing Cycle.
- (D) Attempt Any **One** : 5
- (1) Explain Different types of Cable used in computer system.
 - (2) Explain Model of computer system with types.

- 2 (A) Attempt the following questions : 4
- (1) OBR stands for _____
 - (2) MIDI stands for _____
 - (3) POS stands for _____
 - (4) _____ is / are the signals or data received by the system.
- (B) Attempt Any **One** : 2
- (1) What is seek time?
 - (2) What is Flash Memory?
- (C) Attempt Any **One** : 3
- (1) Explain Track, Sector Clusters
 - (2) Explain Cloud Storage.
- (D) Attempt Any **One** : 5
- (1) Explain Wireless Devices.
 - (2) Explain Types of Magnetic Storage Devices.
- 3 (A) Attempt the following questions : 4
- (1) _____ device converts data into human readable format through printer.
 - (2) The output quality of a printer is measured by _____.
 - (3) LCD stands for _____.
 - (4) Distance between two pixels is known as _____.
- (B) Attempt Any **One** : 2
- (1) What is OLED?
 - (2) What is COM?
- (C) Attempt Any **One** : 3
- (1) Explain Plotters.
 - (2) Explain CRT Display Units

- (D) Attempt Any **One** : 5
- (1) Explain Impact Printers.
 - (2) Explain Google Glass.
- 4 (A) Attempt the following questions : 4
- (1) ASCII stands for _____
 - (2) What is UniCode?
 - (3) What is Nibble?
 - (4) How many Numberin Hexadecimal Number system?
- (B) Attempt Any **One** : 2
- (1) $(369)_{16} = (?)_2$
 - (2) $(10111100111)_2 = ()_{10}$
- (C) Attempt Any **One** : 3
- (1) $(1111)_2 * (10)_2 = (?)_2$
 - (2) $(11110)_2 / (11)_2 = (?)_2$
- (D) Attempt Any **One** : 5
- (1) Explain BCD and EBCDIC.
 - (2) $(10101111001)_2 - (100000000)_2 = (?)_2$ using 2nd Complement Method.
- 5 (A) Attempt the following questions : 4
- (1) GIS stands for _____.
 - (2) Assembler are used to convert _____ code into _____ code.
 - (3) What is the software called that's designed to exploit a computer user and is a broad term covering computer viruses, worms, Trojan, adware, etc.?
 - (4) E-Mail stands for _____.

- (B) Attempt Any **One** : **2**
- (1) What is Modem?
 - (2) What is Virus?
- (C) Attempt Any **One** : **3**
- (1) Explain Machine Level Language.
 - (2) Explain Backup and Restore.
- (D) Attempt Any **One** : **5**
- (1) Explain and uses of software packages.
 - (2) Explain Cloud Computing with architecture.
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