

Seat No. : 242

**MP-107**

**December-2016**

**B.C.A., Sem.-I**

**CC-101 : Fundamental of Computer**

**Time : 3 Hours]**

**[Max. Marks : 70**

1. (A) Define Computer. List out types of Computer and explain any two. 7  
**OR**  
Explain applications of Computer.
- (B) List out different types of port and explain any three. 7  
**OR**  
Explain buses and cache memory in detail.
2. (A) Give the difference between impact and non-impact printer. Explain any two impact printer. 7  
**OR**  
List out input devices. And explain biometric devices and keyboard.
- (B) Explain the following terms : 7  
(1) CRT monitor.  
(2) Fax machine and fax modem.  
**OR**  
Explain the following :  
(1) Pointing devices (any two).  
(2) Optical reader.
3. (A) List out different types of files. Explain any two. 7  
**OR**  
Explain file organization.
- (B) Explain types of optical disk. 7  
**OR**  
Explain hard disk with its characteristics.

4. (A) Explain BCD and ASCII code system.

7

**OR**

Convert the following :

(1)  $(2374.534)_8 = (\text{_____})_{16}$

(2)  $(ACE.98D)_{16} = (\text{_____})_2$

(B) Convert the following into decimal.

7

(1)  $(56.67)_8$

(2)  $(101111.011)_2$

**OR**

Convert the following :

(1)  $(371.64)_8 = (\text{_____})_2$

(2)  $(AFD.62)_{16} = (\text{_____})_{10}$

5. Do as directed.

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(1) The full form of EBCDIC is \_\_\_\_\_.

(2) The base of the Octal coding system is \_\_\_\_\_.

(3) \_\_\_\_\_ and \_\_\_\_\_ are examples of non-volatile memory.

(4) 1 byte = \_\_\_\_\_ bits.

(5) \_\_\_\_\_ Number system also supports alphanumeric.

(6) A \_\_\_\_\_ port is an interface that connects device by transferring more than one bit at a time.

(7) Printer resolution is measured by the number of \_\_\_\_\_ a printer can print.

(8) \_\_\_\_\_ and \_\_\_\_\_ are two types of software.

(9) The quality of the digital camera is depends on the \_\_\_\_\_.

(10) OMR stands for \_\_\_\_\_.

(11) \_\_\_\_\_ and \_\_\_\_\_ are examples of flat panel display.

(12) The most widely used biometric device is the \_\_\_\_\_.

(13) Which file is permanent in nature ?

(14) The full form of DVDROM \_\_\_\_\_.