

Seat No. : 475

NB-133

November-2019

BCA, Sem.-I

CC-101 : Introduction to Computer and Emerging Technologies (New)

Time : 2:30 Hours]

[Max. Marks : 70

1. (A) (1) Explain wired and wireless connections. 7
(2) Explain super computers and mainframe computers. 7

OR

- (1) Explain various ports and connections.
(2) Explain mobile devices and embedded computers.
- (B) Answer the following : (Any 4) 4
- (1) _____ is a short range radio signals to enable computers and mobile device to communicate with each other.
(a) Bluetooth (b) Microwave
(c) Ethernet (d) Wifi
- (2) _____ refers to an environment that provides resources and services accessed via internet.
(a) Domain Computing (b) Cloud Computing
(c) Digital Computing (d) Web Computing
- (3) USB stands for _____.
(a) Universal Server Bus (b) Universal Server Bridge
(c) Universal Serial Bus (d) Universal Serial Bridge
- (4) _____ is a software that enables users to access webpages on computer
(a) Browser (b) Media player
(c) Internet (d) Acrobat Reader
- (5) The processed data is called _____.
(a) Bytes (b) Information
(c) Textfile (d) Database
- (6) _____ type of computers are used for large scale weather forecasting.
(a) Super Computers (b) Laptops
(c) Mobile devices (d) All of these

2. (A) (1) ✓ Explain the architecture of processor. 7
 (2) ✓ Explain types of memory. 7
- OR**
- (1) Explain buses and adapters.
 (2) Explain working of hard disk. 4
- (B) Answer the following : (Any 4)
- (1) ✓ SDRAM stands for _____.
 (2) The _____ bus transfer information about where the data should reside in memory.
 (3) ✓ OCR stands for _____.
 (4) The _____ device read the text printed with magnetized ink.
 (5) _____ is also known as volatile memory.
 (6) ✓ The hard disk is divided into tracks and _____.
3. (A) (1) ✓ Explain any two input devices. ✓ 7
 (2) ✓ Explain touch screens and pointing devices. 7
- OR**
- (1) Explain keyboard and pen input.
 (2) Explain scanners and reading devices. 3
- (B) Answer the following **True** or **False** : (Any 3)
- (1) Barcode scanner is an output device. T
 (2) Laser printers use ink for printing on paper. F
 (3) Impact printers are the latest technology printers. F
 (4) Touch pad in laptops is a pointing device T
 (5) Scanners convert the digital form of image to physical form. F
4. (A) (1) Convert the following to Octal. 7
 (1) $(127)_{10}$ (2) $(AB)_{16}$
 (2) Convert the following to Hexadecimal. 7
 (1) $(10011001)_2$ (2) $(456)_8$
- OR**
- (1) Convert the following to Decimal
 (1) $(DE)_{16}$ (2) $(1256)_8$
 (2) Convert the following to Binary
 (1) $(424)_8$ (2) $(CE)_{16}$
- (B) Answer the following : **True** or **False** (Any 3) 3
- (1) ASCII stands for American Standard Code for International Information F
 (2) BIT is known as Binary digit F
 (3) Octal number of 17 is 22
 (4) Binary equivalent of 65 is 1000001.
 (5) BCD stands for Binary Coded Decimals T