



TF-119

BCA Sem. I Examination

May-2013

CC-101 Fundamentals of Computer

Time : 3 Hours]

[Max. Marks : 70

1. (A) Define computer. Briefly explain its components. 7
OR
Explain the importance of Cache Memory and its types.
- (B) What do you understand by Computer Software ? Explain its different types. 7
OR
Define Port and Connector. Explain the difference between Serial Port and Parallel Port.
2. (A) Explain the functioning of Digital Cameras. 7
OR
Define Printers and its types.
- (B) Explain the role of scanners and types. 7
OR
What is the full form of LCD ? Also explain the parameters of LCD quality.
3. (A) Explain the working of Hard Disk in detail. 7
OR
Briefly explain different types of Optical Disks.
- (B) Explain Transaction and Master File. 7
OR
Define File. Explain Report file and Backup file.
4. (A) Write a short note on the following : 7
(i) Number System
(ii) Binary System
OR
Convert the following from base 2 to base 10 (Binary to Decimal)
(i) 11011
(ii) .00111

(B) Define ASCII and Unicode.

7

OR

Convert the following from base 2 to base 16 (Binary to Hexadecimal)

(i) 110011101100

(ii) 101110100

5. Do any **fourteen** from the following :

14

(a) A _____ is a collection of computers and devices connected together via communications devices.

(b) _____ software consists of programs designed to make users more productive and assist them with personal tasks.

(c) Full form of ALU.

(d) The role of memory to store both data and programs is known as _____ concept.

(e) A _____ port is an interface that connects devices by transferring more than one bit at a time.

(i) serial

(ii) parallel

(iii) USB

(iv) mouse

(f) A _____ is a stationary pointing device with a ball on its top or side.

(g) _____ is a identification code that consists either of a set of vertical lines and spaces of different widths.

(h) Full form of MICR.

(i) _____ is a series of instructions that tells a computer what to do and how to do it.

(i) Data

(ii) Program

(iii) Command

(iv) User response

(j) A non impact printer does not form characters and graphics on a piece of paper without actually striking the paper. (T/F)

(k) Printer resolution is measured by the number of _____ a printer can print.

(i) pages per minute

(ii) pixels per inch

(iii) lines per minute

(iv) dots per inch

(l) Reading is a process of transferring these items from a storage medium into memory. (T/F)

(m) Full form of SATA.

(n) 1 GB = _____.

(o) A bit in computer terminology is not either 0 or 1 (T/F).

(p) The 4-bit equivalent of the decimal number 5 is

(i) 0101

(ii) 0100

(iii) 1000

(iv) 0110