2012

Time : 3 hours

Full Marks : 80

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Answer from both the Groups as directed.

Group – A

(Objective Type Questions)

Answer all questions : 2x10 = 20

1. Choose the correct answer of the following :

(a) Fastest Memory in the computer system is :

(i) ROM

(ii) RAM

(iii) EPROM

(iv) CACHE

(v) None of these

CX = 1/4 (Turn over)
(b) Which is a web-server?
   (i) Apache
   (ii) Pulsar
   (iii) Karizma
   (iv) Stunner

(c) Which is not an Internet Browser?
   (i) Google Chrome
   (ii) Microsoft Internet Explorer
   (iii) Netscape Navigator
   (iv) Mozilla Firefox
   (v) None of these

(d) IKB is:
   (i) 1024 bit
   (ii) 8192 bit
   (iii) 512 bit
   (iv) 2048 bit

(e) Which language does a computer understand without any translation?
   (i) Natural Language
(ii) Programming Language
(iii) Machine Language
(iv) Assemble Level Language

(f) Ethernet uses:
(i) Bus Topology
(ii) Star Topology
(iii) Ring Topology
(iv) Tree Topology
(v) Mesh Topology
(vi) None of these

(g) BIOS stands for:
(i) Basic Input Operating System
(ii) Basic Input Output System
(iii) Basis Input Operating System
(iv) None of these

(h) Resolution of printer is measured in:
(i) Mp
(ii) Hz
(iii) Ppi

CX – 1/4  (3)  (Turn over)
(iv) Dpi
(v) None of these
(i) Which of the following is not a social network site?
   (i) Facebook
   (ii) Orkut
   (iii) HI-5
   (iv) Twitter
   (v) None of these
(j) Which is platform independent language?
   (i) C
   (ii) C++
   (iii) Java
   (iv) Perl
   (v) All of these

Group – B
(Long-answer Type Questions)

Answer any four questions: $15 \times 4 = 60$

2. Discuss the memory hierarchy in Modern

$CX - 1/4$ (4) Contd.
Computer System, in detail, comparing their various aspects.

3. Perform the following operations:
   (a) Convert 2048 to binary format
   (b) Convert 110011001100 to decimal format
   (c) Convert 678 to Octal Format
   (d) Assume 777 is in Octal format, convert it to decimal format
   (e) Convert 2048 to Hex Format

4. (a) What do you mean by Input and Output devices in a Computer System? Name all Input Output devices which are present in most of the computer systems, with a justification that why it is a Input or Output device.

   (b) Draw a Block Diagram showing components of a computer. Explain function of CPU in detail.

5. Differentiate between the following:
   (a) Real time and Time-Sharing Operating System.

CX - 1/4 (5) (Turn over)
6. (a) What is Networking? Discuss proving its usefulness.
(b) What does URL stands for? Explain a typical structure of URL.

7. (a) Differentiate between Softwares and Hardwares, in relation to Computer System. Part the computer system components into their Software and Hardware category.
(b) Explain the working of Dot Matrix Printer.

8. (a) What is Multimedia? Discuss the role of multimedia in education, training and medical industry.
(b) Differentiate between Procedural and Object Oriented Programming Languages.

CX - 1/4 (6) Contd.
9. Write short notes on any three of the following:

(a) E-mail
(b) World Wide Web
(c) Internet Chatting
(d) File Transfer Protocol (FTP)
(e) Windows XP