2014

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)

(Compulsory)

Answer all questions:

1. Choose the correct answer of the following:

   \[2 \times 10 = 20\]

   (a) Computer memory consists of _______

      microchips.

      (i) RAM

      (ii) ROM

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(Turn over)
(iii) PROM
(iv) All of these
(b) The function of CPU is ________
   (i) to provide external storage of text
   (ii) to communicate with the operator
   (iii) to read, interpret, and process the
        information and instruction
   (iv) to provide a hard copy
(c) BIOS stands for ________
   (i) Basic Input Operative System
   (ii) Basic Input Output System
   (iii) Basis Input Operative System
   (iv) None of these
(d) 1 KB is ________
   (i) 1024 bit
   (ii) 8192 bit
   (iii) 512 bit
   (iv) 2048
(e) Which is not an Internet Browser?
   (i) Google Chrome
   (ii) Microsoft Internet Explorer
   (iii) Netscapes Navigator
   (iv) None of these
(f) Browser that allows you to surf the Internet Page:
   (i) Internet explorer
   (ii) Netscape Navigation
   (iii) Both of these
   (iv) None of these
(g) Which language computer understand without any translation?
   (i) Natural Language
   (ii) Machine Language
   (iii) Programming Language
   (iv) Assembly Language
(h) Ethernet uses:
   (i) Bus Topology
   (ii) Star Topology
(iii) Ring Topology  
(iv) None of these  
(i) Every e-mail address must contain the symbol:  
(ii) #  
(iii) @  
(iv) &  
(j) Which of the following is search engine?  
(i) Google  
(ii) Yahoo  
(iii) MSN  
(iv) All of these  

Group – B  
(Long-answer Type Questions)  

Answer any four questions:  

2. (a) Draw a block diagram showing components of a computer. Explain the function of CPU.  

3. (a) Differentiate between Software and Hardware.  
(b) Explain the working of Dot Matrix Printer.  

4. Perform any three operations:  
(a) Convert 2048 to binary format  
(b) Convert 110011001100 to decimal format  
(c) Convert 777 in octal format and decimal format  
(d) Convert 2048 to Hex Format  

5. Differentiate between any two of the following:  
(a) Real time and Time-Sharing Operating System  
(b) Static RAM and Dynamic RAM  
(c) Single User and Multiuser System  

6. (a) Define the terms Web Page and World Wide Web. How is external linking different from internal linking?  

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(b) What do you mean by Internal Memory? Discuss all types of internal memory.

NR – 16/3 (5) (Turn over)
(b) What is Multimedia? Discuss the role of multimedia in education, training and medical industry.

7. (a) What is Networking? Discuss the terms LAN, WAN and MAN.
   (b) What does URL stands for? Explain a typical structure of URL.

8. Write short notes on any three of the following:
   (a) E-mail
   (b) Internet Chatting
   (c) CACHE Memory
   (d) File Transfer Protocol (FTP)
   (e) Programming Language

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