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BCA(I)/01/14

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 : **2×10 = 20**

(a) Computer memory consists of _____ microchips.

(i) RAM

(ii) ROM

NR – 16/3

(Turn over)

(iii) PROM

(iv) All of these

(b) The function of CPU is _____.

(i) to provide external storage of text

(ii) to communication 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

NR – 16/3

(2)

Contd.

(e) Which is not a 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

NR – 16/3

(3)

(Turn over)

- (iii) Ring Topology
 (iv) None of these
- (i) Every e-mail address will must be contain the symbol :
- (i) #
 (ii) @
 (iii) \$
 (iv) &
- (i) 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 : 15x4 = 60

2. (a) Draw a Block Diagram showing components of a computer. Explain the function of CPU.

NR - 16/3 (4) Contd.

- (b) What do you mean by Internal Memory ? Discuss all types of internal memory.
3. (a) Differentiate between Software and Hardware.
 (b) Explain the working of Dot Matrix Printer.
4. Perform any three operation :
- (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 ?

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

