2013

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)

1. Choose the correct answer of the following:

   \[2 \times 10 = 20\]

   (a) Fastest Memory in the computer system is:

   (i) RAM

   (ii) ROM

   (iii) CACHE

   (iv) None of these

UK – 1/2

(Turn over)
(b) Find the odd one out:

(i) Registers
(ii) Printer
(iii) Arithmetic Logic Unit
(iv) Control Unit

(c) BIOS stands for:

(i) Basic Input Output System
(ii) Basic Input Operation System
(iii) Basic Input Operating System
(iv) None of these

(d) Hexadecimal equivalent of the pure binary bits \((10010010)_2\) is:

(i) 902
(ii) 91
(iii) 903
(iv) 92
(v) None of these

(e) The printers that produce the output by pressing a print element and an inked ribbon against the face of a continuous paper form is known as:

(i) Scanning printers

UK – 1/2 (2) Contd.
(ii) Impact printer
(iii) Non-impact printer
(iv) None of these
(f) Operating System:
(i) Enables a programmer to draw a flow chart
(ii) Link a program with subroutines it refers
(iii) Provides a layered, user friendly interface
(iv) None of these
(g) Java is:
(i) Machine language
(ii) High level language
(iii) Assemble level language
(iv) None of these
(h) Which one is a scripting language?
(i) Java
(ii) C++
(iii) PHP
(iv) None of these

UK - 1/2 (3) (Turn over)
9. Differentiate between the following:
   
   (a) Time Sharing and Real Time Sharing
   
   (b) Multiprogramming and Multitasking
   
   (c) Memory Management and Device Management

10. Why does a computer use binary numbers for its internal processing? What is 2's complement of a binary number? Find 2’s complement of 1101 binary number. What is the difference between EPROM and EEPROM?