2011

Full Marks : 75

Time : 3 hours

The questions are of equal value

Answer five question including Question 1

Which is compulsory

1.   **Choose the correct answers :**

(a) **The switching device used in second generation was**

     (i)   IC
     (ii)   transistor
     (iii)   Vacuum tube
     (iv)   Microchip

(b) **The supercomputer developed in India is**

     (i)   PARAM 10000
     (ii)   CRAY-3
     (iii)   Cyber-205
     (iv)   None of these

(c) **The radix of hexadecimal no. system is**

     (i)   10
     (ii)   2
     (iii)   16
     (iv)   8

(d) **The DOS command to deleted an existing file is**

     (i)   RD
     (j)   DEL
     (k)   MOVE
     (l)   COPY

(e) Developer of 'C' language is

    (i)   Denish Ritchie
    (ii)   Pascal
    (iii)   Lady Ada
    (iv)   Subir Bhaia

(f) One nibble equals to

    (i)   8 bits
    (ii)   2 bits
    (iii)   4 bits
    (iv)   1 bits

(g) The size of float data type in 'C' language is

    (i)   1 byte
    (ii)   2 bytes
    (iii)   3 bytes
    (iv)   4 bytes

(h) Which of the loop structures executes at least once?

    (i)   for ( )
    (ii)   while ( )
    (iii)   do…while( )
    (v)   None of these

(i) (456)8 = (--------)10

    (i)   312
    (ii)   302
    (iii)   400
    (v)   320

(j) The stepwise procedure to solve a problem is known as.

    (i)   algorithm
    (ii)   flowchart
    (iii)   program
    (iv)   None of these

2.   **What is computer? How does it work?**
       Discuss the different computer generations.

3.   **Discuss block diagram of computer and its working in detail.**

4. **What is printer? Discuss the different types Of impact and non- impact printers.**

5. **Define the following terms :**

   (a) **Analog computer**
   (b) **Digital computer**
   (c) **Hybrid computer.**

6. **Solve the following binary arithmetic :**

   (i)   **10111011+ 11011110**
   (ii)   **11011101- 111011**
   (iii) **11010.0100+1001.01+001.11+11.01010**

7. **What do you mean by programming language? Describe machine, Assembly and high-level language with its merits and demerits.**

8. **What is pseudo code? Write an algorithm and flowchart to find the Sum of n natural numbers.**

9. **Describe the evolution of microprocessor Draw the architecture of Intel 8086 chip.**

10. **Write short notes on any three of the following :**

   (a) **Batch file and configuration file**
   (b) **Tele conferencing**
   (c) **Uses of computer in entertainment**
   (d) **Assembler**
   (e) **Magnetic disk**

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