

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) $(456)_8 = (\text{-----})_{10}$

- (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**
