

## **QUESTION 2012**

### **Group - A**

#### **(Multiple Choice Type Questions)**

1. Choose the correct alternatives for the following:

- i) Assembler converts \_\_\_\_\_ to \_\_\_\_\_
- a) Machine language to Assembly language
  - b) Assembly language to High level language
  - c) Assembly language to fourth generation language
  - ✓ d) Assembly language to Machine language
- ii) The base of hexadecimal number system is \_\_\_\_\_
- a) 61
  - ✓ b) 16
  - c) 161
  - d) 116
- iii) \_\_\_\_\_ is not a point and draw device.
- a) Mouse
  - b) Keyboard
  - ✓ c) Light pen
  - d) Joystick
- iv) \_\_\_\_\_ is an application software.
- a) Operating system
  - b) Linker
  - ✓ c) Word processor
  - d) None of these

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- v) The task of an input interface is to convert \_\_\_\_\_ to \_\_\_\_\_  
✓ a) human readable data to binary form      b) binary form to human readable form  
c) both a and b      d) None of these
- vi) \_\_\_\_\_ is/are non-volatile memory.  
a) RAM      b) Hard disk      c) CD      ✓ d) both b and c
- vii) Walkie Talkie is an example of \_\_\_\_\_  
a) simplex transmission      ✓ b) half duplex transmission  
c) full duplex transmission      d) None of these
- viii) VLSI is \_\_\_\_\_  
a) Versatility Large Scale Integration      b) Very Large Scope Integration  
✓ c) Very Large Scale Integration      d) Very Large Scale Information
- ix) RISC and CISC Scale Information  
a) Memory      ✓ b) Processors      c) Input device      d) Output device
- x) Vacuum tubes were used in \_\_\_\_\_ generation of computers.  
✓ a) first      b) second      c) third      d) fourth

**Group - B**

(Short Answer Type Questions)

2. What is a Mouse? Identify the five essential techniques for using a mouse.  
See Topic: INPUT AND OUTPUT DEVICES, Short Answer Type Question No. 2(or).
3. Explain the various components of CPU with the help of a sketch diagram.  
See Topic: CENTRAL PROCESSING UNIT, Short Answer Type Question No. 5.
4. Explain the principle and working of laser printers.  
See Topic: BASIC COMPUTER CONCEPTS, Short Answer Type Question No. 14.
5. Differentiate between RAM and ROM.  
See Topic: STORAGE DEVICES, Short Answer Type Question No. 2(or).

**Group - C**

(Long Answer Type Questions)

6. a) What is operating system? Give some examples. Write down the function of operating system.  
b) Compare System Software vs Application software.  
a) See Topic: COMPUTER SOFTWARE, Short Answer Type Question No. 1(or).  
b) See Topic: COMPUTER SOFTWARE, Long Answer Type Question No. 5.
7. a) Explain the instruction cycle.  
b) What are CPU registers? Mention any two registers along with their functions.  
c) What is Cache Memory?  
a) See Topic: CENTRAL PROCESSING UNIT, Short Answer Type Question No. 1(or).  
b) See Topic: CENTRAL PROCESSING UNIT, Short Answer Type Question No. 4(or).  
c) See Topic: STORAGE DEVICES, Short Answer Type Question No. 11.

## POPULAR PUBLICATIONS

8. a) Differentiate between soft copy and hard copy output.  
b) What is printer? Explain the different types of printer.  
a) See Topic: **BASIC COMPUTER CONCEPTS**, Short Answer Type Question No. 13.  
b) See Topic: **BASIC COMPUTER CONCEPTS**, Short Answer Type Question No. 6(or).
9. a) Draw the block diagram of 'Basic Computer Organization'.  
See Topic: **BASIC COMPUTER CONCEPTS**, Short Answer Type Question No. 4(or).
- b) Write a short note on CPU.  
Input Unit and Output Unit.  
See Topic: **CENTRAL PROCESSING UNIT**, Short Answer Type Question No. 6.  
See Topic: **INPUT AND OUTPUT DEVICES**, Short Answer Type Question No. 5.
10. Write short notes on any three:  
a) Transmission modes  
b) Algorithm  
c) Language translators  
d) Multimedia  
e) ROM  
a) See Topic: **COMPUTER NETWORKS AND INTERNET**, Long Answer Type Question No. 12(a).  
b) See Topic: **PROGRAMMING LANGUAGES AND ALGORITHMS**, Short Answer Type Question No. 10(a).  
c) See Topic: **PROGRAMMING LANGUAGES AND ALGORITHMS**, Long Answer Type Question No. 10(b).  
d) See Topic: **BASIC COMPUTER CONCEPTS**, Short Answer Type Question No. 16(a).  
e) See Topic: **STORAGE DEVICES**, Short Answer Type Question No. 13.