QUESTION 2009

Group – A
(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following:

i) Hard copy is a term used to describe
   - a) Writing on a hardboard
   - ✓b) Printed output
   - c) Storing information on the hard disk
   - d) All of these

ii) A daisy wheel is a type of
   - ✓a) Printer
   - b) Storage device
   - c) Pointing device
   - d) None of these

iii) Magnetic tape is a
   - a) Serial access medium
   - ✓b) Random access medium
   - c) A parallel access medium
   - d) None of these

iv) DOS stands for
   - a) Data Operating System
   - b) Distributed Operating System
   - ✓c) Disk Operating System
   - d) None of these

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v) Compilation is
    a) to change a high level languages program into binary form
    b) to change assembly language to machine language
    c) to change machine language to high level language
    ✓d) none of these

vi) ASCII refers to
    ✓a) American Standard Code for Information Interchange
    b) Abacus Standard Code for Information Interchange
    c) American Software Code for Information Interchange
    d) None of these

vii) DOS and some version of UNIX are examples of .... Interface.
    a) Old fashioned   b) GUI   ✓c) Command line   d) Parallel

viii) 1 kb .... byte.
    a) 1000   ✓b) 1024   c) 1026   d) 256

ix) BIOS is
    a) Collection of I/O driver programs
    b) Parts OS to perform I/O operations
    ✓c) A program to control one of the I/O peripherals
    d) None of these

x) The base of binary number system is
    a) 10   b) 8   c) 4   ✓d) 2

Group – B
(Short Answer Type Questions)

2. What are the differences between SRAM and DRAM? What are the differences between LAN and WAN?
1st Part: See Topic: STORAGE DEVICES, Short Answer Type Question No. 5(or).
2nd Part: See Topic: COMPUTER NETWORKS AND INTERNET, Short Answer Type Question No. 1(or).

3. What is an executable program? What is object program?
See Topic: PROGRAMMING LANGUAGES AND ALGORITHMS, Short Answer Type Question No. 5.

4. Explain the functions of cache memory and virtual memory.
See Topic: STORAGE DEVICES, Short Answer Type Question No. 6.

5. What is cache memory? Comment on its size and addressing.
See Topic: STORAGE DEVICES, Short Answer Type Question No. 7.

6. Discuss the different generations of computer hardware.
See Topic: BASIC COMPUTER CONCEPTS, Short Answer Type Question No. 6.

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Group – C
(Long Answer Type Questions)

7. a) Draw the block diagram of a digital computer and describe all the parts.
b) Explain the different generations of computer.
c) Write down the full form of EPROM and EEROM.
a) See Topic: BASIC COMPUTER CONCEPTS, Short Answer Type Question No. 4.
b) See Topic: BASIC COMPUTER CONCEPTS, Short Answer Type Question No. 5.
c) See Topic: STORAGE DEVICES, Short Answer Type Question No. 8.

8. a) Describe the following:
i) Switch
ii) Hubs
iii) Routers
i) See Topic: COMPUTER NETWORKS AND INTERNET, Long Answer Type Question No. 5(i).
ii) See Topic: COMPUTER NETWORKS AND INTERNET, Long Answer Type Question No. 5(ii).
iii) See Topic: COMPUTER NETWORKS AND INTERNET, Long Answer Type Question No. 4.

b) What do you mean by local area network and wide area network?
See Topic: COMPUTER NETWORKS AND INTERNET, Long Answer Type Question No. 1(a).

c) Write down the difference between Internet and Intranet.
See Topic: COMPUTER NETWORKS AND INTERNET, Short Answer Type Question No. 3.

9. a) What do you mean by algorithm and flow-chart?
b) State the differences between interpreter and compiler.
c) What are the different types of printer?
d) How are MICR different from OCR?
a) See Topic: PROGRAMMING LANGUAGES AND ALGORITHMS, Short Answer Type Question No. 6.
b) See Topic: PROGRAMMING LANGUAGES AND ALGORITHMS, Short Answer Type Question No. 7.
c) See Topic: BASIC COMPUTER CONCEPTS, Short Answer Type Question No. 7.
d) See Topic: BASIC COMPUTER CONCEPTS, Short Answer Type Question No. 3.

10. a) Define software. Broadly classify the software with examples.
b) State the functions of operating system.
c) Write short note on scanner.
a) See Topic: PROGRAMMING LANGUAGES AND ALGORITHMS, Long Answer Type Question No. 4.
b) See Topic: PROGRAMMING LANGUAGES AND ALGORITHMS, Short Answer Type Question No. 8.
c) See Topic: INPUT AND OUTPUT DEVICES, Long Answer Type Question No. 1(ii).

11. a) What are volatile memory and non-volatile memory?
b) Without OS the system is meaningless. Comment.
c) What do you mean by algorithm and flow-chart.
d) What do you mean by office automation?
e) What is www?

a) See Topic: **STORAGE DEVICES**, Short Answer Type Question No. 1 or 9.

b) See Topic: **BASIC COMPUTER CONCEPTS**, Short Answer Type Question No. 8.

c) See Topic: **PROGRAMMING LANGUAGES AND ALGORITHMS**, Short Answer Type Question No. 6.

d) See Topic: **COMPUTER SOFTWARE**, Short Answer Type Question No. 3.

e) See Topic: **COMPUTER NETWORKS AND INTERNET**, Long Answer Type Question No. 1(b).

12. a) Write a program algorithm to find the roots of quadratic equation $ax^2 + bx + c = 0$. Draw it's flow-chart.

b) Draw a flowchart to generate and print the Fibonacci series 0 1 1 2 3 5 8 ... n.

c) What is Fetch Decode Execute Cycle? Explain.

a) See Topic: **PROGRAMMING LANGUAGES AND ALGORITHMS**, Long Answer Type Question No. 2.

b) See Topic: **PROGRAMMING LANGUAGES AND ALGORITHMS**, Long Answer Type Question No. 1(b).

c) See Topic: **CENTRAL PROCESSING UNIT**, Short Answer Type Question No. 1.