

QUESTION 2011

Group – A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following:

i) ALU performs

- a) only arithmetic operations
- c) string data

- b) only logical operations
- ✓d) both arithmetic and logical operations

ii) Floppy Disk is a storage media of type

- a) direct access
- ✓c) both direct and sequential access

- b) sequential access
- d) none of these

iii) RAM is used in

- a) main memory
- c) secondary memory

- b) part of ALU
- ✓d) memory data register

iv) Which of the following is not a hardware?

- ✓a) compiler
- b) chip

- c) CPU
- d) memory unit

v) The unit which stores all data, instructions and result temporarily during execution is called

- ✓a) main memory
- b) control unit

- c) ALU
- d) I/O

vi) An assembler in computer refers to a/an

- a) person
- b) hardware
- ✓d) programme
- e) electronic circuit

- c) language

- vii) Which of the following is not a magnetic memory?
 a) floppy disk b) magnetic tape ✓c) flip-flop d) core
- viii) The 2's complement of 00110 is
 ✓a) 11010 b) 10101 c) 11001 d) none of these
- ix) The base in Hexadecimal number is
 a) 4 b) 6 c) 12 ✓d) 16
- x) Negative number in computer uses
 a) sign bit conversion ✓b) 2's complement method
 c) 1's complement method d) all of these

Group - B

(Short Answer Type Questions)

2. a) What is LAN? What are the advantages of LAN?

b) What is WAN? What is MAN?

See Topic: **COMPUTER NETWORKS AND INTERNET, Short Answer Type Question No. 2(or).**

3. a) Convert decimal to octal equivalent:

$$(831)_{10} = (?)_8$$

See Topic: **BASIC COMPUTER CONCEPTS, Short Answer Type Question No. 10.**

b) Convert binary to decimal equivalent:

$$(11001.101)_2 = (?)_{10}$$

See Topic: **BASIC COMPUTER CONCEPTS, Short Answer Type Question No. 11.**

c) What is the relation between a bit and a byte?

Answer: One byte=8 bits.

4. What is software? How many types of software are there?

See Topic: **COMPUTER SOFTWARE, Long Answer Type Question No. 2.**

5. Write the features of Machine Language and Assembly Language.

See Topic: **COMPUTER SOFTWARE, Long Answer Type Question No. 3.**

6. What is Cache Memory?

See Topic: **STORAGE DEVICES, Short Answer Type Question No. 11.**

Group - C

(Long Answer Type Questions)

7. a) Draw the block diagram of a computer system and explain the functions of each of the constituent blocks.

b) What are Viruses? Give examples.

a) See Topic: **BASIC COMPUTER CONCEPTS, Short Answer Type Question No. 4(or).**

b) See Topic: **COMPUTER SOFTWARE, Long Answer Type Question No. 4.**

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8. a) What are CPU registers? How many types of registers are there?
b) List the various computer generations along with the key characteristics of computers of each generation.
a) See Topic: **CENTRAL PROCESSING UNIT**, Short Answer Type Question No. 4.
b) See Topic: **BASIC COMPUTER CONCEPTS**, Short Answer Type Question No. 5(or).
9. a) Differentiate between soft copy and hard copy output.
b) Three numbers denoted by the variables *A*, *B*, *C* are supplied as input data. Draw a flowchart for the logic to identify and print the largest one.
c) What is Multimedia?
a) See Topic: **BASIC COMPUTER CONCEPTS**, Short Answer Type Question No. 13.
b) See Topic: **PROGRAMMING LANGUAGES AND ALGORITHMS**, Long Answer Type Question No. 6.
c) See Topic: **COMPUTER APPLICATIONS**, Long Answer Type Question No. 2.
10. a) Draw the block diagram of 'Basic Computer Organization'.
b) Distinguish between primary storage and secondary storage.
c) Write the functions of the input unit.
a) See Topic: **BASIC COMPUTER CONCEPTS**, Short Answer Type Question No. 4(or).
b) See Topic: **STORAGE DEVICES**, Short Answer Type Question No. 12.
c) See Topic: **INPUT AND OUTPUT DEVICES**, Short Answer Type Question No. 4.
11. a) What is Operating system? List the functions of Operating system.
b) Explain any *two* network topologies.
a) See Topic: **COMPUTER SOFTWARE**, Short Answer Type Question No. 1(or).
b) See Topic: **COMPUTER NETWORKS AND INTERNET**, Long Answer Type Question No. 7.