

QUESTION 2014

Group – A

(Multiple Choice Type Questions)

1. Answer any ten questions

i) The 2's complement of 00110 is

- a) 11010 b) 10101 c) 11001 d) none of these

ii) An assembler in computer refers to a/an

- a) person b) hardware c) language d) programme

iii) The unit which stored all data, instructions and results temporarily during execution is called

- a) main memory b) control unit c) ALU d) I/O

iv) Which of the following is not a hardware?

- a) Compiler b) chip c) CPU d) memory unit

- v) RAM is used in
✓ a) main memory
c) secondary memory
b) part of ALU
d) memory data register
- vi) Floppy Disk is a storage media of type
a) direct access
✓ c) both (a) and (b)
b) sequential access
d) none of these
- vii) ALU performs,
a) only arithmetic operation
c) string data
b) only logical operations
✓ d) both (a) and (b)
- viii) Hub is used in
a) bus topology
b) ring topology
✓ c) star topology
d) none of these
- ix) 2 bytes correspond to
a) 4 bits
b) 8 bits
✓ c) 16 bits
d) 32 bits
- x) The base in Hexadecimal number is
a) 4
b) 6
c) 12
✓ d) 16

Group – B

(Short Answer Type Questions)

2. Write a pseudo code to reverse a number.
See Topic: **PROGRAMMING LANGUAGES AND ALGORITHMS**, Short Answer Type Question No. 10.
3. Differentiate between algorithm and flowchart.
See Topic: **PROGRAMMING LANGUAGES AND ALGORITHMS**, Short Answer Type Question No. 6(or).
4. What is a Internet? Differentiate between Internet and Intranet.
See Topic: **COMPUTER NETWORKS AND INTERNET**, Short Answer Type Question No. 3.
5. What is a virtual memory? Explain the function of cache memory.
See Topic: **STORAGE DEVICES**, Short Answer Type Question No. 6.
6. Indicate the difference between LAN and WAN.
See Topic: **COMPUTER NETWORKS AND INTERNET**, Short Answer Type Question No. 1(or).

Group – C

(Long Answer Type Questions)

7. a) Describe briefly the OSI Model and the function of different layers.
b) Compare and contrast Bus Topology and Ring Topology.
c) Describe different connecting devices used for data communication.

POPULAR PUBLICATIONS

- a) See Topic: **COMPUTER NETWORKS AND INTERNET**, Long Answer Type Question No. 2(a).
- b) See Topic: **COMPUTER NETWORKS AND INTERNET**, Long Answer Type Question No. 2(b).
- c) See Topic: **COMPUTER NETWORKS AND INTERNET**, Long Answer Type Question No. 11.

- 8. a) What is Integrated Program Development Environment? Describe its different components.
- b) Describe different features of Object Orient Programming with examples.
- c) Draw a flowchart to print the Fibonacci series 0, 1, 1, 2, 3, 5, 8, 13...

- a) See Topic: **PROGRAMMING LANGUAGES AND ALGORITHMS**, Short Answer Type Question No. 11.
- b) See Topic: **PROGRAMMING LANGUAGES AND ALGORITHMS**, Long Answer Type Question No. 3.
- c) See Topic: **PROGRAMMING LANGUAGES AND ALGORITHMS**, Long Answer Type Question No. 1(b).

- 9. a) Draw the block diagram of 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. 5(or).
- b) See Topic: **COMPUTER SOFTWARE**, Long Answer Type Question No. 4.

- 10. a) Define Software.

- b) Broadly classify software with examples.

- c) State the functions of an operating system.

- a) & b) See Topic: **PROGRAMMING LANGUAGES AND ALGORITHMS**, Long Answer Type Question No. 4.

- c) See Topic: **PROGRAMMING LANGUAGES AND ALGORITHMS**, Short Answer Type Question No. 8.

- 11. Write short notes on any three of the following:

- a) Distributed System

- b) TCP/IP Protocol Suite

- c) Office Automation System.

- d) Data Acquisition System.

- e) Multimedia

- a) See Topic: **COMPUTER NETWORKS AND INTERNET**, Long Answer Type Question No. 12(d).
- b) See Topic: **COMPUTER NETWORKS AND INTERNET**, Long Answer Type Question No. 12(e).
- c) See Topic: **COMPUTER SOFTWARE**, Short Answer Type Question No. 3(or).
- d) See Topic: **COMPUTER NETWORKS AND INTERNET**, Long Answer Type Question No. 12(f).
- e) See Topic: **BASIC COMPUTER CONCEPTS**, Short Answer Type Question No. 16(a).