

QUESTION 2010

Group – A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for any *ten* of the following:

i) Fourth generation computer was based on

- a) a vacuum tube b) a transistor ✓ c) an IC chip d) all of these

ii) MAR means

- a) Memory Arithmetic Register ✓ b) Memory Address Register
c) Methodical Address Register d) Media Access Register

iii) Computer understands only

- ✓ a) machine language b) high-level language
c) low-level language d) assembly language

iv) ROM is a

- a) volatile ✓ b) non-volatile c) both (a) and (b) d) none of these

v) CPU stands for

- a) Control Processing Unit ✓ b) Central Processing Unit
c) Cache Processing Unit d) None of these

vi) Operating system is a/an

- a) application software ✓ b) system software
c) system firmware d) application middleware

vii) BASIC stands for

- a) beginner's all-purpose systematic instruction code

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- ✓b) beginner's all-purpose symbolic instruction code
c) both (a) and (b)
d) none of these
- viii) OSI model stands for
a) Open Standard Interface
✓c) Open System Interconnection
b) Open Service Interface
d) none of these
- ix) WAN means
a) Wireless Area Network
c) Wi-Fi Area Network
✓b) Wide Area Network
d) All of these
- x) is not a layer of operating system.
a) Kernel
b) Shell
✓c) Application program
d) Critical section
- xi) The radix of Octal number system is
a) 2
✓b) 8
c) 9
d) 16

Group – B

(Short Answer Type Questions)

2. What is a virtual memory? Explain the function of cache memory.

See Topic: **STORAGE DEVICES**, Short Answer Type Question No. 10.

3. What is a compiler? Explain the function of compiler and interpreter.

See Topic: **PROGRAMMING LANGUAGES AND ALGORITHMS**, Short Answer Type Question No. 7.

4. Briefly discuss about LAN, MAN and WAN.

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

5. Discuss the disadvantages of 1st generation of computers.

See Topic: **BASIC COMPUTER CONCEPTS**, Short Answer Type Question No. 9.

6. How is an instruction executed? Discuss about "Fetch Cycle".

See Topic: **CENTRAL PROCESSING UNIT**, Short Answer Type Question No. 2.

Group – C

(Long Answer Type Questions)

7. a) What is internet? What are the differences between internet and intranet.

b) Describe briefly the OSI model and the functions of different layers.

a) See Topic: **COMPUTER NETWORKS AND INTERNET**, Short Answer Type Question No. 3.

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

8. a) What do you mean by algorithm and flow-chart?

b) What are the different types of printer?

c) How is MICR different from OCR?

d) What is www?

POPULAR PUBLICATIONS

- a) See Topic: **PROGRAMMING LANGUAGES AND ALGORITHMS**, Short Answer Type Question No. 6.
 - b) See Topic: **BASIC COMPUTER CONCEPTS**, Short Answer Type Question No. 6.
 - c) See Topic: **BASIC COMPUTER CONCEPTS**, Short Answer Type Question No. 3.
 - d) See Topic: **COMPUTER NETWORKS AND INTERNET**, Long Answer Type Question No. 1(b).
9. With the algorithm and flow-chart write a 'C' program to check whether an inputted no. is Palindrome or not.
Palindrome no. is no. whose reverse is same as the original no.
See Topic: **PROGRAMMING LANGUAGES AND ALGORITHMS**, Long Answer Type Question No. 5.
10. What is Network? Describe the modes of Data Transfer with diagram.
Briefly explain the importance of a programming language.
What is the role played by a compiler?
See Topic: **COMPUTER NETWORKS AND INTERNET**, Long Answer Type Question No. 6.
See Topic: **PROGRAMMING LANGUAGES AND ALGORITHMS**, Short Answer Type Question No. 9.
See Topic: **COMPUTER SOFTWARE**, Short Answer Type Question No. 4.