1. Computer Overview

1. What is the function of CPU in computer system? What are its sub units?

2. What are the differences between Hardware and Software and Firmware?

3. What is the function of output unit in computer system? Give some examples of output devices?

4. What is a bit and what is binary code?

5. What is liveware?

6. What is the meaning of the term volatile primary memory? What can be done to overcomethe problem of volatility?

7. What is the role of input and output devices?

8.. Why is secondary storage needed at all?

9.. What do you understand by a memory word?

2. Working with Operating System

1. What do you mean by GUI Operating System ?

2. What are the three main categories of operating system function ?

3. What are the benefit of multiprogramming ?

4. What do you under stand by throughput ?

5. What is multitasking ?

6. What is the difference between a program and a process ?

7. Give example of some non-preemptive scheduling techniques.

3 .Data Representation

1. What are the bases of decimal, octal, binary and hexadecimal system ?

2. What is the common property of decimal, octal, , binary and hexadecimal ?

3. Complete the sequence of following binary numbers :

4. 100, 101, 110 ,_____,_____,_____,_____.

5. Complete the sequence of following octal numbers :

6. 525, 526, 527, _____,_____,_____-

7. Complete the sequence of following hexadecimal numbers 17, 18, 19,____,____,____.

8. When and why are octal and hexadecimal numbers preferred over binary numbers ?

9. Find the full form of ISCII.

10. ASCII CODE is _____ bit code.

11. What is the use of ASCII code ?

12. What is the full form of ASCII ?

3.Operators & Expression In C++.

1. What is the function of operators ?

2. What will be the result of a=5/3 if a is (i) float (ii) int ?

3. What is the function of logical operators ?

4. What is type conversion ?

5. What do you mean by type casting?

6. What will be value of j=--k+(l=k,l++) if k is 20 initially ?

7. What will be the value of p=p*++j where j is 22 and p=3 initially ?

8. Which header file must be included in the program to make use C++'s built-in

mathematical functions ?

9. What will be the resultant type of the following expression if fl is a float variable and db.is a double variable ? (int)(fl+db)

Flow Of Control

1. Write three types of control structures.

2. Write the syntax of switch case statement.

3. Which C++ operator can replace if else statement?

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