Q. No. 1. Which one of the following format specifier is used to print unsigned integer?

A: %ui
B: %u
C: %un
D: %iu

○ A ● B ○ C ○ D   Clear Answer   Mark For Review

Q. No. 2. What is the use of continue statement?

A: breaks from loop
B: breaks from switch statement
C: Continues with next iteration of a loop
D: Continues with statement after loop

○ A ○ B ● C ○ D   Clear Answer   Mark For Review

Q. No. 3. What is the output of the following C code snippet?

```
char *ptr;
char str[]="Hello";
ptr=str; str++;
printf("%c",ptr);
```

A: I
B: Compilation Error
C: H
D: E

○ A ○ B ○ C ○ D   Clear Answer   Mark For Review

Q. No. 4. What is the output of the following C code snippet?

```
int a=8,b=2;
printf("%d\n",a<<b);
```

A: 32
B: 16
C: 4
D: 2

○ A ○ B ○ C ○ D   Clear Answer   Mark For Review

Q. No. 5. What is the output of the following C code snippet?
int a[2][3]={{1},{2,1}};
printf("%d\n",a[0][1]);

A: 1
B: 0
C: 2
D: Garbage value

○A ○B ○C ○D | Clear Answer | | Mark For Review |

Q. No. 6. What is the output of the following C code snippet?
int a;
a='d'-'a';
printf("%d\n",a);

A: 3
B: 100;
C: 97
D: Compilation error

◉A ○B ○C ○D | Clear Answer | | Mark For Review |

Q. No. 7. Which symbol is used as a statement terminator in C?

A: !
B: #
C: ~
D: ;

○A ○B ○C ◉D | Clear Answer | | Mark For Review |

Q. No. 8. What is the default return type of a C function?

A: void
B: int
C: float
D: char

○A ◉B ○C ○D | Clear Answer | | Mark For Review |

Q. No. 9. In C language, continue statement cannot be used with_____.

A: for
B: while
C: do while
D: switch

○A ○B ○C ◉D | Clear Answer | | Mark For Review |

Q. No. 10.   Size of union in C language is_____.

A: Combined size of all fields
B: Size of smallest field
C: Size of largest field
D: Decided at runtime

○A ○B ○C ○D | Clear Answer | | Mark For Review |

Q. No. 11.   What is the output of the following C program snippet?
int i=0x10+010+10;
printf("%d\n",i);

A: 30
B: 2010
C: 21
D: 34

○A ○B ○C ○D | Clear Answer | | Mark For Review |

Q. No. 12.   Which one the following is false w.r.t memory layout of C program?

A: Stack and Heap grow in opposite directions
B: Heap is used for dynamic memory allocation
C: Code segment contains executable instructions
D: Data segment contains function call activation details

○A ○B ○C ○D | Clear Answer | | Mark For Review |

Q. No. 13. Which one of the following is false w.r.t to printing % using printf in C language?

A: printf("%%");
B: printf("%");
C: printf("%c",'%');
D: printf("%s","%");

○ A ● B ○ C ○ D | Clear Answer | | Mark For Review |

Q. No. 14. What is the output of the following C code snippet?

```
int main()
{
#define a 40
printf("%d", a+=2);
return(0);
}
```

A: 40
B: 42
C: 8
D: Compile time error

○ A ○ B ○ C ○ D | Clear Answer | | Mark For Review |

Q. No. 15. If p is an instance of a structure. Fields of structure instance are accessed through p using _____ operator

A: &
B: .
C: ->
D: *

○ A ○ B ● C ○ D | Clear Answer | | Mark For Review |

Q. No. 16. Find the wrong statement?

A: Presumption for binary search is the sorted array
B: Insertion sort is best when few elements are out of its location
C: Merge sort time complexity is O(n log n)
D: There are 'n' swaps in Selection sort

○ A ○ B ○ C ○ D | Clear Answer | | Mark For Review |

Q. No. 17.   Pick up the wrong statement about heap sort

A: It is a full binary tree
B: It is best implemented using arrays than linked list
C: It follows order property
D: After building the heap, the largest element will be at the root

○A ○B ○C ○D Clear Answer   Mark For Review

Q. No. 18.   Pick up the wrong statement about the height of a binary tree

A: Height of a null sub-tree or tree is '-1'
B: Height of any node is the longest path from the node to root
C: The height of a tree is the height of its root
D: Height of node is max(height of left sub-tree, height of right sub-tree)+1

○A ○B ○C ○D Clear Answer   Mark For Review

Q. No. 19.   Which of the following function is used to delete an element from the Queue?

A: Enqueue
B: Pop
C: Dequeue
D: Push

○A ○B ○C ○D Clear Answer   Mark For Review

Q. No. 20.   What is true about merge sort?

A: It is greedy algorithm
B: It requires two lists in sorted order
C: Time complexity is O(log n)
D: Worst case complexity is O(log n)

Q. No. 21.   Access time of a binary search tree may go worse in terms of time complexity up to _____.

A: O(n2)
B: O(n log n)
C: O(n)
D: O(1)

○A ○B ○C ○D | Clear Answer | Mark For Review

Q. No. 22.   Overflow condition for a circular queue of size 'n' with rear and front pointers is

A: rear == n-1 && front ==0
B: front != 0 && rear+1 == front
C: rear ==0 && front == 0
D: (rear+1)%size == front

Q. No. 23.   When a try block contains code that might throw an exception, but no exception is thrown in a particular execution, then the program _____

A: terminates
B: issues a warning
C: continues with the code below catch blocks after executing code in try block
D: uses a default catch block

○A ○B ○C ○D | Clear Answer | Mark For Review

Q. No. 24.   In which case, it is mandatory to provide a destructor in a class?

A: Almost in every class
B: Class for which two or more than two objects will be created
C: Class for which copy constructor is defined
D: Class whose object are created dynamically

○A ○B ○C ○D | Clear Answer | Mark For Review

Q. No. 25.   Which one of the following C++ operators cannot be overloaded using friend function?

A: +=
B: <<
C: ->
D: -

○ A ◉ B ○ C ○ D   [Clear Answer]   [Mark For Review]

Q. No. 26.   Virtual functions are used to achieve_____.

A: Overloading
B: Overriding
C: Runtime binding
D: Static binding

Q. No. 27.   Which one of the following is not the property of constructor?

A: They should be declared in the public section
B: They can be overloaded
C: They can be virtual
D: They do not have return type

○ A ○ B ○ C ○ D   [Clear Answer]   [Mark For Review]

Q. No. 28.   Genericity feature is supported in C++ using

A: Inheritance
B: Encapsulation
C: Template functions and template classes
D: Abstraction

◉ A ○ B ○ C ○ D   [Clear Answer]   [Mark For Review]

Q. No. 29.   To which type of a class, RTTI can be applied?

A: Encapsulation
B: Polymorphic
C: Derived
D: Base

○A ○B ○C ○D   Clear Answer   Mark For Review

Q. No. 30.   Assume a class XYZ with public static data member sdata. Xobj is an instance of XYZ, which of the following is correct way of accessing sdata?

A: XYZ.sdata
B: XYZ::sdata
C: Both B and D
D: Xobj.sdata

○A ○B ○C ○D   Clear Answer   Mark For Review

Q. No. 31.   Which of the following is false for cin?

A: It represents standard input device
B: It is an object of input stream class
C: Both A and B
D: It is a predefined function

○A ○B ◉C ○D   Clear Answer   Mark For Review

Q. No. 32.   In FTP, the port ____ is used for the control connection and the port _____ for the data connection.

A: 21 ; 22
B: 21 ; 20
C: 20 ; 21
D: 22 ; 21

○A ○B ○C ○D   Clear Answer   Mark For Review

Q. No. 33.   The typical range of Ephemeral ports is _____.

A: 1 to 80
B: 1 to 1024
C: 80 to 1024
D: 1024 to 65535

A B C D   Clear Answer   Mark For Review

Q. No. 34.   The services of _____ is used by DNS at well-known port 53

A: TCP
B: UDP
C: SCTP
D: TCP or UDP

A B C D   Clear Answer   Mark For Review

Q. No. 35.   Which field determines the lifetime of IPv6 datagram?

A: Hop Limit
B: TTL
C: Next Header
D: Fragmentation

A B C D   Clear Answer   Mark For Review

Q. No. 36.   _____ uses distance vector routing algorithm in Internet.

A: OSPF
B: ARP
C: RIP
D: RARP

A B C D   Clear Answer   Mark For Review

Q. No. 37.   The _____ address must be referred to deliver a message to the correct application program running on a host

    A: Port
    B: IP
    C: Physical
    D: Logical

A ⦿B C D   Clear Answer   Mark For Review

Q. No. 38.   _____ method is used by HTTP request line to request a document from the server.

    A: GET
    B: PUT
    C: COPY
    D: PUSH

A B C D   Clear Answer   Mark For Review

Q. No. 39.   Short Message Service is a message consisting of a maximum of _____ alphanumeric characters

    A: 100
    B: 150
    C: 160
    D: 170

A B C D   Clear Answer   Mark For Review

Q. No. 40.   A mobile station can communicate with two base stations at the same time in a _____ handoff.

    A: Hard
    B: Soft
    C: Medium
    D: Moderate

Q. No. 41.   A BSS with an AP in Wireless LAN is called _____ architecture.

    A: Ad-hoc architecture
    B: Infrastructure
    C: ESS
    D: NAV

A B C D   Clear Answer   Mark For Review

Q. No. 42.   Pick up the wrong statement about I/O devices

    A: Each device controller is in charge of a particular device type
    B: All device controller has one common local buffer
    C: CPU moves data from/to main memory to/from local buffers
    D: I/O devices and the CPU can execute concurrently

A B C D   Clear Answer   Mark For Review

Q. No. 43.   If time quantum is very big in Round Robin CPU scheduling algorithm, then it acts as _____.

    A: SJF Scheduling
    B: FCFS Scheduling
    C: Priority Scheduling
    D: SJF with Preemption

A B C D   Clear Answer   Mark For Review

Q. No. 44.   Physical memory is divided into fixed sized _____

    A: Pages
    B: Frames
    C: Blocks
    D: Chunks

A B C D   Clear Answer   Mark For Review

Q. No. 45.   A file is a collection of _____.

    A: Sectors
    B: Blocks
    C: Records
    D: Tracks

○A ○B ○C ◉D   [Clear Answer]   [Mark For Review]

Q. No. 46.   The interval from the time of submission to the time of completion is known as _____.

    A: Throughput
    B: Turnaround time
    C: Waiting time
    D: Response time

○A ○B ○C ○D   [Clear Answer]   [Mark For Review]

Q. No. 47.   Which of the following is not a optimization criteria for a scheduling algorithm?

    A: Maximum throughput

    B: Maximum turnaround time

    C: Minimum waiting time

    D: Minimum response time

○A ○B ○C ○D   [Clear Answer]   [Mark For Review]

Q. No. 48.   When interrupt occurs, state of running process is changed to _____

    A: Waiting state
    B: Ready state
    C: New state
    D: It will not go anywhere

Q. No. 49.　　TLB stands for

A: translation look aside buffer
B: translation look ahead buffer
C: terminal large buffer
D: transfer large buffer

○A ○B ○C ○D　Clear Answer　Mark For Review

Q. No. 50.　　I-node stands for _____

A: interface node
B: iterative node
C: index node
D: interconnection node

○A ○B ○C ○D　Clear Answer　Mark For Review

http://www.youtube.com/OptimisiticEngineer