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49	Quizz Application Project	JSP+Springboot+MySql
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52	Online Child Adoption Portal Project	React+Springboot+MySql
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57		React+Springboot+MySql
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3	Tour and Travel System Project Version 1.0	https://youtu.be/-UHOBywHaP8?si=KHHfE_A0uv725f12
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7	Multi-Restaurant management system	https://youtu.be/pvV-pM2Jf3s?si=PgvnT-yFc8ktrDxB
8	Hospital management system Project	https://youtu.be/lynlouBZvY4?si=CXzQs3BsRkjKhZCw
9	Municipal Corporation system Project	https://youtu.be/cVMx9NVyl4I?si=qX0oQt-GT-LR_5jF
10	Tour and Travel System Project version 2.0	https://youtu.be/_4u0mB9mHXE?si=gDiAhKBowi2gNUKZ

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17	Online movie booking system project	https://youtu.be/Lfjv_U74SC4?si=fiDvrhhrjb4KSIsm
18	Online Pizza Delivery system project	https://youtu.be/Tp3izreZ458?si=8eWAOzA8SVdNwlyM
19	Online Crime Reporting system Project	https://youtu.be/0UlzReSk9tQ?si=6vN0e70TVY1GOwPO
20	Online Children Adoption Project	https://youtu.be/3T5HC2HKyT4?si=bntP78niYH802I7N

CPP/OOPS QUESTIONS

1. Which of the following function prototype is perfectly acceptable?

- A. `int Function(int Tmp = Show());`
- B. `float Function(int Tmp = Show(int, float));`
- C. Both A and B.
- D. `float = Show(int, float) Function(Tmp);`

2. Which of the following statement is correct?

- A. C++ enables to define functions that take constants as an argument.
- B. We cannot change the argument of the function that are declared as constant.
- C. Both A and B.
- D. We cannot use the constant while defining the function.

3. Which of the following statement is correct?

- A. Overloaded functions can have at most one default argument.
- B. An overloaded function cannot have default argument.
- C. All arguments of an overloaded function can be default.
- D. A function if overloaded more than once cannot have default argument.

4. Which of the following statement is correct?

- A. Two functions having same number of argument, order and type of argument can be overloaded if both functions do not have any default argument.
- B. Overloaded function must have default arguments.

- C. Overloaded function must have default arguments starting from the left of argument list.
- D. A function can be overloaded more than once.

5. Which of the following statement will be correct if the function has three arguments passed to it?

- A. The trailing argument will be the default argument.
- B. The first argument will be the default argument.
- C. The middle argument will be the default argument.
- D. All the argument will be the default argument.

6. Which of the following statement is incorrect?

- A. Default arguments can be provided for pointers to functions.
- B. A function can have all its arguments as default.
- C. Default argument cannot be provided for pointers to functions.
- D. A default argument cannot be redefined in later declaration.

7. Which of the following statement is correct?

- A. Constructors can have default parameters.
- B. Constructors cannot have default parameters.
- C. Constructors cannot have more than one default parameter.
- D. Constructors can have at most five default parameters.

8. Which of the following function / type of function cannot be overloaded?

- A. Member function
- B. Static function
- C. Virtual function

- D. Both B and C

9. Which of the following function declaration is/are incorrect?

- A. `int Sum(int a, int b = 2, int c = 3);`
- B. `int Sum(int a = 5, int b);`
- C. `int Sum(int a = 0, int b, int c = 3);`
- D. Both B and C are incorrect.
- E. All are correct.

10. Which of the following statement is incorrect?

- A. The default value for an argument can be a global constant.
- B. The default arguments are given in the function prototype.
- C. Compiler uses the prototype information to build a call, not the function definition.
- D. The default arguments are given in the function prototype and should be repeated in the function definition.

11. Where the default value of parameter have to be specified?

- A. Function call
- B. Function definition
- C. Function prototype
- D. Both B or C

12. Which of the following statement is correct?

- A. The default value for an argument cannot be function call.
- B. C++ allows the redefinition of a default parameter.
- C. Both A and B.

- D. C++ does not allow the redefinition of a default parameter.

13. Which of the following statement is correct?

- A. Only one parameter of a function can be a default parameter.
- B. Minimum one parameter of a function must be a default parameter.
- C. All the parameters of a function can be default parameters.
- D. No parameter of a function can be default.

14. Which of the following statement is incorrect?

- A. A default argument is checked for type at the time of declaration and evaluated at the time of call.
- B. We can provide a default value to a particular argument in the middle of an argument list.
- C. We cannot provide a default value to a particular argument in the middle of an argument list.
- D. Default arguments are useful in situations where some arguments always have the same value.

15. Which of the following statement is correct?

- A. Overloaded functions can accept same number of arguments.
- B. Overloaded functions always return value of same data type.
- C. Overloaded functions can accept only same number and same type of arguments.
- D. Overloaded functions can accept only different number and different type

16. Which of the following function / types of function cannot have default parameters?

- A. Member function of class
- B. main()
- C. Member function of structure
- D. Both B and C

17. Which of the following statement is correct?

- A. The order of the default argument will be right to left.
- B. The order of the default argument will be left to right.
- C. The order of the default argument will be alternate.
- D. The order of the default argument will be random.

ANSWERS

- 1. A
- 2. C
- 3. C
- 4. D
- 5. A
- 6. C
- 7. A
- 8. C
- 9. D
- 10. D
- 11. C
- 12. D
- 13. C
- 14. B
- 15. A
- 16. B
- 17. A

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1. When we use the case control structure?
 - a. To choose one from multiple alternatives
 - b. To switch from one instruction to another
 - c. To make the execution fast
 - d. None of the above
2. Recursion is sometimes called?
 - a. Circular definition
 - b. Complex definition
 - c. Procedure
 - d. Union
3. Given the statement, `maruti.engine.bolts = 25`. Which of the following is true?
 - a. Structure bolts is nested within structure engine
 - b. Structure engine is nested within structure maruti
 - c. Structure maruti is nested within structure engine
 - d. Structure maruti nested within structure bolts
4. The statement that transfer control to the beginning of the loop is called?
 - a. break statement
 - b. exit statement
 - c. continue statement
 - d. goto statement
5. If an array is used as function argument, the array is passed?
 - a. by value
 - b. by address
 - c. by name
 - d. the array cannot be used as function argument

6. What will be the output?

```
#include <stdio.h>
int main()
{
    int k=35;
    printf("%d%d%d",k==35,k=50,k>40);
}
```

- a. 35,50,40
- b. 0,50,0
- c. 0,0,0
- d. 1,1,1

7. What will be the output of following program ?

```
#include<stdio.h>
void main( )
{
    int i;
    for(i=1;i<=5;printf("%d",i));
        i++;
}
```

- a. Error
- b. Garbage values
- c. 1 to 5
- d. Infinite loop

8. Which of the following is false in C?

- a. Keywords cannot be used as variable names
- b. **Variable names can contain a digit**
- c. Variable names do not contain a blank space
- d. Capital letters can be used in variable names

9. Null pointer and UN-initialized pointers are same?

- a. True
- b. **False**
- c. Varies from program to program
- d. None of Above

10. Null pointer is?

- a. **A pointer which does not point anywhere**
- b. Pointer defined with name Null
- c. A pointer that returns 0 values
- d. None of Above

11. The function _____ obtains block of memory dynamically.

- a. Calloc
- b. Malloc
- c. **Both a & b**
- d. Free

12. void * malloc(size_t n) returns

- a. Pointer to n bytes of uninitialized storage
- b. NULL if the request cannot be satisfied
- c. Nothing
- d. **Both a & b are true**

13. Which among the following is the correct syntax to declare a static variable register?

- a. static register a;
- b. register static a;
- c. Both (a) and (b)
- d. **We cannot use static and register together.**

14. Which of the following is true for static variable?

- a. It can be called from another function.
- b. **It exists even after the function ends.**
- c. It can be modified in another function by sending it as a parameter.
- d. All of the mentioned

15. Which of the following can never be sent by call-by-value?

- a. Variable
- b. **Array**
- c. Structures
- d. Both (b) and (c)

16. Which type of variables can have same name in different function:

- a. global variables
- b. static variables
- c. Function arguments
- d. **Both (b) and (c)**

17. The syntax for constant pointer to address (i.e., fixed pointer address) is:

- a. const <type> * <name>
- b. **<type> * const <name>**
- c. <type> const * <name>
- d. Both (a) and (c)

18. What is the problem in the following declarations?

```
int func(int);  
double func(int);  
int func(float);
```

- a. A function with same name cannot have different signatures
- b. A function with same name cannot have different return types
- c. A function with same name cannot have different number of parameters
- d. **All of the mentioned**

19. Which of the following are themselves a collection of different data types?

- a. String
- b. **Structures**
- c. Char
- d. All of the mentioned

20. Which of the following cannot be a structure member?

- a. Another structure
- b. Function**
- c. Array
- d. None of the mentioned

21. The correct syntax to use typedef for struct is.

- a. typedef struct temp
 {
 int a;
 }TEMP;
- b. typedef struct
 {
 int a;
 }TEMP;
- c. struct temp
 {
 int a;
 };
 typedef struct temp TEMP;
- d. All of the mentioned**

22. Which of the following is FALSE about typedef?

- a. typedef follow scope rules
- b. typedef defined substitutes can be redefined again. (Eg: typedef char a; edef int a;)**
- c. You cannot typedef a typedef with other term.
- d. All of the mentioned

23. Which of the following is not possible?

- a. A structure variable pointing to itself
- b. A structure variable pointing to another structure variable of same type
- c. 2 different type of structure variable pointing at each other.
- d. None of these**

24. What will be the output of the following code?

```
#include "stdio.h"
#include "string.h"
void main(){
    char *str=NULL;
    strcpy(str,"cquestionbank");
    printf("%s",str);
}
```

- a. cquestionbank
- b. cquestionbank\0
- c. (null)**
- d. Compilation error

25. What will be output if you will compile and execute the following c code?

```
#define max 5;
void main(){
    int i=0;
    i=max++;
    printf("%d",i++);
}
```

- a. 5
- b. 6
- c. 7
- d. Compiler error**

26. What will happen if in a C program you assign a value to an array element whose subscript exceeds the size of array?

- a. The element will be set to 0.
- b. The compiler would report an error.
- c. The program may crash if some important data gets overwritten.**
- d. The array size would appropriately grow.

27. In C, if you pass an array as an argument to a function, what actually gets passed?

- a. Value of elements in array
- b. First element of the array
- c. Address of the last element of array
- d. Base address of the array**

28. How can I dynamically allocate a two-dimensional array?

- a. `int **array1 = (int **)malloc(nrows * sizeof(int *));`
`for(i = 0; i < nrows; i++)`
`array1[i] = (int *)malloc(ncolumns * sizeof(int));`
- b. `int **array2 = (int **)malloc(nrows * sizeof(int *));`
`array2[0] = (int *)malloc(nrows * ncolumns * sizeof(int));`
`for(i = 1; i < nrows; i++)`
`array2[i] = array2[0] + i * ncolumns;`
- c. `int *array3 = (int *)malloc(nrows * ncolumns * sizeof(int));`
- d. Any of the above.

29. A recursive function would result in infinite recursion, if the following were left out:

- a. **Base case**
- b. Recursive call
- c. Subtraction
- d. Local variable declarations

30. Which of the following provides conceptual support for function calls?

- a. **The System Stack**
- b. The Data Segment
- c. The heap
- d. The processor's register

31. For 'C' Programming Language

- a. Constant expressions are evaluated at compile time
- b. String constants can be concatenated at compile time
- c. Size of array should be known at compile time
- d. **All of these**

32. If storage class is missing in the array definition, by default it will be taken to be

- a. Automatic
- b. External
- c. Static
- d. **Either automatic or external depending on the place of occurrence**

33. What will be the output of the following statement?

```
printf( 3 + "goodbye");
```

- a. goodbye
- b. odbye
- c. bye
- d. **dbye**

34. It is necessary to declare the type of a function in the calling program if

- a. the function returns an integer
- b. **the function returns a non-integer**
- c. the function is not defined in the same file
- d. none of these

35. Which of the following statement is not true?

- a. A function may be placed either after or before the main() function
- b. A function may or may not return a value. If it does, it can return only one value
- c. A function can be defined inside another function**
- d. A variable that has been declared as static inside a function retains its value even after the function is exited.

36. Choose the wrong one

- a. A structure can be nested within same structure
- b. A value of one structure variable can be assigned to another structure variable of same or different type.**
- c. It is illegal to use the structure itself as its member.
- d. In self-referential structure one member must be a pointer type.

37. void main()

```
{  
    printf("%u",main);  
    getch();  
}
```

- a. Garbage value
- b. Run time error
- c. Printing starting address of function main**
- d. Infinite loop

38. Find the incorrect one for 'typedef' statement

- a. Permits descriptive names for datatypes.**
- b. Renaming existing datatype
- c. Modification of the program is easier when host machine is changed.
- d. All of the above

39. What is the work of break keyword?

- a. Halt execution of program
- b. Restart execution of program
- c. Exit from loop or switch statement**
- d. None of the above

40. What is function?

- a. Function is a block of statements that perform some specific task.
- b. Function is the fundamental modular unit. A function is usually designed to perform a specific task.
- c. Function is a block of code that performs a specific task. It has a name and it is reusable
- d. **All the above**

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