MindTree MockMCQ

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1. Which of these access specifiers can be used for an interface?

   Public

   Private

   Protected

   All of the above

2. Identify the separator(s) in C?

   white space character

   Comments

   Semicolon

   Both A & B

   None Of these

   Both A & C

3. A compiler is ____

   a machine-independent and OS-independent

   machine-dependent and OS-dependent

   machine-dependent and OS-independent

   machine-independent and OS-dependent

4. A program which translates a high level language program into a machine language program is called

   Compiler

   Interpreter

   Both A and B

   None of these

5. The errors that can be pointed out by the compiler are?

   syntax errors

   semantic error

   logical error

   None of the above

   All of the Above

6. Which one of the following statement is incorrect?

   A compiler compiles the source program.

   An assembler takes an assembly program as input.

   A compiler does the same type of function as interpreter

   All of the above

7. What is C language?

   C language is a structure/procedure oriented

   C language is a middle level programming language

   C language was invented for implementing UNIX operating system

   All of the above

8. C was initially used for?

   General purpose

   System development work

   Data processing

   None of these

9. Which package contains the Random class?

   java.util

   java.lang

   java.io

   java.awt

10. In a flowchart, an input or output instruction is represented by _____?

Parallelogram

A diamond

A circle

Rectangle

11. Which of the following is not considered to be a basic element of an enterprise-class database system?

DBMS

Database applications

Users

COBOL programs

12. What will be the output of the program?

```
{
        public static void main(String [] args)
        {
                int x = 100;
                double y = 100.1;
                boolean b = (x = y); /* Line 7 */
                System.out.println(b);
        }
}
```

TRUE

False

compilation Fails

An exception is thrown at runtime

13. Identify the wrong Statement?

#define /* symbolic constant */ Max 100

int /*declaration*/ a,b;

char c1,c2;

#define MAX 25;

14. C can be used on?

Only MS-Dos operating System

Only Linux operating system

class Equals

Only Windows operating system

All of the above

15. In Which year was erstwhile Mindtree formed?

1999

1998

1997

1996

16. First version of C Programming language is _____ .

K&R

C89

ANSI

R&K

17. How many objects will get created in below case? String s = new String("Hello!");

1   2   0   None of the above

18. Which of these is not an example for IDE in C?

Turbo   **Pycharm**   Code::Blocks   Borland

19. The mapping from assembly language instructions into machine language instructions is?

many-one   many-many   **one-one**   one-many

20. Evaluate the following Java expression, if x=10, y=15, and z=5:

++x + y + z + x++ -z++

37   36   34   38

21. Identify the wrong statement?

define is a preprocessor facility.

define is a preprocessor facility.

 # define uses a statement terminator.

define improves the readability of the program.

22. For given word first find the anagram and then choose the option with correct meaning. "TABLET"

Resentment   **fight**   Help   Monster

23. Which is not a character of C?

$ ^ |

24. Three unbiased coins are tossed. What is the probability of getting at most two heads?

1/8   2/8   3/8   5/9   **7/8**

25. Which is true in case of ANSI C?

Comments are represented in /* and */

Nested comments are not allowed

Comments are not allowed within a string constant

Nested comments are allowed

26. Which of the following is not one of the processes that a high level language program must go through before it is ready to be executed?

Translation   Controlling   Loading   **Linking**

27. In how many ways can the letters of the word 'LEADER' be arranged?

360   470   380   320

28. The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?

4   8   10   None of these

29. The language C is

an assembly language

a third-generation high level language

a machine language

None of the above

All of the Above

30. Which of the following is not a backtracking algorithm?

M coloring problem

Tower of hanoi

Knight tour problem

N queen problem

31. The following are components of a database except

user data   Metadata   **Reports**   indexes

32. Choose the correct option below for the following code

```
class Main {
        public static void main(String args[])
        {
                int t;
                System.out.println(t);
        }
}
```

0 garbage value   **Compile time error**   Runtime error

33. The following are functions of a DBMS except _____

creating and processing forms

creating databases

processing data

administrating databases

34. Which is a reserved word in the Java programming language?

Native

array

method

references

35. Which of the following statements is not true?

FORTRAN is a high-level language

A FORTRAN program written for the IBM-PC, is totally different from a FORTRAN program written for the execution of SUN machine.

FORTRAN is extensively used write program for performing scientific computations.

None of the above

36. Which of the following is not java new feature?

Stream API

Lambda Function

Interface

Date/Time API

37. Which component is responsible for converting bytecode into machine specific code?

JDK

JRE

JVM

38. C programming language is

Procedural language

Object Oriented language

Scripting languages

None of these

39. An application where only one user accesses the database at a given time is an example of a(n) _____

single-user database application

multiuser database application

e-commerce database application

data mining database application

40. A translator which reads an entire pro-gram written in high level and converts it into machine language code is?

Assembler

Translator

Compiler

System software

41. Which year C language is developed?

1970   1971   **1972**   1973

42. What makes the Java platform independent?

Advanced programming language

Class compilation

It uses bytecode for execution

All of the above

43. On which date LTI & Mindtree Got Merged?

11th Nov 2022

4th Nov 2022

16th Nov 2022

14th Nov 2022

44. What is used to find and fix bugs in the JAVA programs.

JRE   JVM   **JDK**   JDB

45. Who is father of C Language?

Bjarne Stroustrup   JamesA. Gosling   **Dennis Ritchie**   Dr. E.F. Codd

46. Which of the following is not $O(n^2)$?

$(15^{10}) * n + 12099$ $n^{1.98}$ $n^3/(sqrt(n))$ $(2^{20}) * n$

47. In which year was Erstwhile LTI formed?

1999   1998   1997   **1996**

48. A program that converts a high-level language program to a set of instructions that can run on a computer is called a?

Compiler   debugger   editor   none of the above   All of the above

49. Indicate which of the following is not true about an interpreter?

Interpreter generates an object program from the source program.

Interpreter is a kind of translator

Interpreter analysis each source statement every time it is to be executed.

None of the above

All of the above

50. C Language was developed at?

AT & T Bell Lab   Harvard University   MIT University   Stanford Lab

51. Many features of C were derived from which language ?

PASCAL   **B**   BASIC   FORTRAN

52. What is the type of variable 'b' and 'd' in the following Java snippet?

int a[], b;

int []c, d;

'b' and 'd' are int

'b' and 'd' are arrays of type int

'b' is int variable; 'd' is int array

'd' is int variable; 'b' is int array

53. Helping people keep track of things is the purpose of a(n)

Database   Relationship   Table   Instance

54. Where does the execution of every C program starts?

Every C program starts in the main () function.

Every C program starts in the begin ( ) function.

Every C program starts in the initialize ( ) function.

Every C program starts in the start ( ) function.

55. Which of these can be used to fully abstract a class from its implementation?

Packages   **Interface**   Objects   none of the above

56. JAVA is

OOP   Interpreted   Multithreaded   **All of the above**

57. Identify the correct statement?

The variable names VOLUME and volume are identical

The variable names sun and sun are identical

Variables are not declared before use

Variable may be absent in a declaration.

58. An escape sequence commence with

\   /   ?   #

59. What are the types of memory allocated in memory in java?

Heap Memory   Stack memory   **Both A & B**   none of the above

60. In which year the Parent Organization of LTIMindree , the Larsen & Toubro was formed?

1947   **1946**   1956   1965

61. Find the greatest number that will divide 43, 91 and 183 so as to leave the same remainder in each case

4   7   8   9

62. Which Committee standardize C Programming Language ?

    IEEE   ISO   IEC   **ANSI**

63. The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is ?

    4   8   12   **16**