

Question No: 84 (Marks: 1) - Please choose one

Following factors influences a portable language design EXCEPT:

- Computer architecture
- Readability
- Programmer's time
- **Windows XP**

Question No: 85 (Marks: 1) - Please choose one

The more is the Simplicity of a language, the more it will always be readable.

- **True**
- False

Question No: 86 (Marks: 1) - Please choose one

+ Sign is used for _____ in SONOBOL.

- **Line Continuation**
- Line Break
- Line Configuration
- Line Alignment

Question No: 87 (Marks: 1) - Please choose one

Which of the following is an incorrect option from the following statements regarding 'objectives of learning new languages '?

- Help to compare different languages.
- Help in transition from one language to other language.
- **Help in understanding the language piracy policy**
- Help to choose a language for development of a certain application.

Question No: 88 (Marks: 1) - Please choose one

_____ was the first object oriented language.

- COBOL
- LISP
- JAVA
- **SIMULA**

Question No: 89 (Marks: 1) - Please choose one

In SONOBOL 2 spaces can be used, the purpose of 1st space is for _____ and 2nd for:

- **Pattern matching, String Concatenation**
- String concatenation, Pattern matching
- Both of the above options
- None of the given

Question No: 90 (Marks: 1) - Please choose one

Maps in SNOBOL are also available in _____

- C
- C++
- MATLAB
- Prolog

Question No: 91 (Marks: 1) - Please choose one

In C# struct are used as _____.

- pointer
- array
- **parameters**
- class

Question No: 92 (Marks: 1) - Please choose one

JavaScript _____ from java language.

- **related**
- un-related
- derived
- none of the given

Question No: 93 (Marks: 1) - Please choose one

In _____ we have to address the client side compatibility issue.

- **JavaScript**
- VB Script
- PHP
- Perl

Question No: 94 (Marks: 1) - Please choose one

In Prolog we specify _____ and not _____ .

- ☒ **Solution, problem**
- ☐ Solution, code
- ☐ Problem, solution
- ☐ None of the above

Question No: 95 (Marks: 1) - Please choose one

A _____ is a default mechanism for specify types of variable?

- ☒ **implicit**
- ☐ explicit
- ☐ Both of the above options
- ☐ None of the given

Question No: 96 (Marks: 1) - Please choose one

A _____ is a special word that cannot be used as a user-defined name

- ☐ Keyword
- ☒ **Reserved word**
- ☐ Both of the above options
- ☐ None of the given

Question No: 97 (Marks: 1) - Please choose one

We use _____ in Ada.

- ☒ **tagged type**
- ☐ int type
- ☐ float type
- ☐ none of the given

Question No: 98 (Marks: 1) - Please choose one

Control structure is a _____ /jump..:)..... statement

- ☐ CONTINUE
- ☒ **GOTO**
- ☐ SWITCH
- ☐ None of the given

Question No: 99 (Marks: 1) - Please choose one

_____ is place holder value that is not required.

- ☒ **anonymous**
- ☐ prolog
- ☐ both of the above options
- ☐ none of the given

Question No: 100 (Marks: 1) - Please choose one

LISP used in _____ and _____.

- ☒ **functional paradigm, AI**
- ☐ AI, functional paradigm
- ☐ Multi-paradigm, AI
- ☐ PROLOG Paradigm, AI

Question No: 101 (Marks: 1) - Please choose one

First arguments in LISP is _____ symbol.

- ☐ Atom
- ☐ argument
- ☐ integer
- ☐ LIST

Question No: 102 (Marks: 1) - Please choose one

We use _____ indirect referencing operator in SNOBOL

- ♥ Binary
- ♥ Binary \$
- ♥ Unary
- ♥ **Unary \$**

Question No: 103 (Marks: 1) - Please choose one

Elementary types are also called _____ in ADA.

- ♥ Static
- ♥ **user defines**
- ♥ built-in
- ♥ Discrete

Question No: 104 (Marks: 1) - Please choose one

ADA is a _____ typed language

- ♥ **partially strongly**
- ♥ complex
- ♥ easy
- ♥ none of the given

Question No: 105 (Marks: 1) - Please choose one

_____ has elaborated exception handling

- ♥ **ADA**
- ♥ C++
- ♥ JAVA
- ♥ COBOL

Question No: 106 (Marks: 1) - Please choose one

_____ has a powerful set of operators but poor type checking

- ☒ C
- ☐ C++
- ☐ ADA
- ☐ LISP

Question No: 107 (Marks: 1) - Please choose one

_____ and _____ have declaration paradigm

- ☒ Prolog, SQL
- ☐ SQL, Prolog
- ☐ Lisp, SQL
- ☐ SQL, Lisp

Question No: 108 (Marks: 1) - Please choose one

1st machine independent language is _____

- ☒ ALGOL
- ☐ COBOL
- ☐ ADA
- ☐ PASCAL

Question No: 109 (Marks: 1) - Please choose one

To make necessary arguments at run time error is called _____

- ☐ Type Checking
- ☒ Exception handling
- ☐ Error Handling
- ☐ None of the given

Question No: 110 (Marks: 1) - Please choose one

Language with wide domain of application has higher _____

- * Portability
- * **Generality**
- * Reliability
- * Cost

Question No: 111 (Marks: 1) - Please choose one

_____ has distributed computing architecture

- * PASCAL
- * LISP
- * C
- * **CORBA**

Question No: 112 (Marks: 1) - Please choose one

Readability has no influence on the cost of _____

- * testing
- * **deployment**
- * debugging
- * coding

Question No: 113 (Marks: 1) - Please choose one

The depth at which we can think is influenced by _____

- * **implementation details**
- * significance of implementation
- * implemented recursion
- * none of the above

Question No: 114 (Marks: 1) - Please choose one

There are no struct, union, enum, unsigned, typedef, or pointers types in _____.

- ➔ **Java**
- ➔ C
- ➔ C++
- ➔ COBOL

Question No: 115 (Marks: 1) - Please choose one

In C# Managed code is executed under the control of

- ✖ CLR
- ✖ **CRL**
- ✖ Both of the above options
- ✖ None of the given



Question No: 1 (Marks: 1) - Please choose one

One difference LISP and PROLOG is

- AI
- **Puzzle**
- Game
- All f the given

Question No: 2 (Marks: 1) - Please choose one

Variable of _____ is not an object of java

- Primitive
- Reference
- **Integer type**
- Both reference and Primitive

Question No: 3 (Marks: 1) - Please choose one

In _____ every class in Java is part is overloaded

- C++
- **Java**
- C#
- C# and java

Question No: 4 (Marks: 1) - Please choose one

C# and C++ have _____ size.

- Same
- Different
- **Distinct**
- None of the given

Question No: 5 (Marks: 1) - Please choose one

_____ compile into machine independent language, independent code which run in a managed execution environment.

- **C#**
- Java
- C++
- Ada

Question No: 6 (Marks: 1) - Please choose one

_____ compile initially to an intermediate. Which can be run by interpretation or just in time compilation or an appropriate virtual machine?

- C++ and C#
- **C# and Java**
- Java and C++
- Ada , C++

Question No: 7 (Marks: 1) - Please choose one

In _____ the relationship between a get and set method is inherited, while in _____ it has to be maintained.

- Java , C++
- C++ , C#
- Ada , Java
- **C# , Java or C++**

Question No: 8 (Marks: 1) - Please choose one

How many modes for the source code are in C#?

- One
- **Two**
- Three
- Four

Question No: 9 (Marks: 1) - Please choose one

Which chaining type is used by Prolog?

- **Backward**
- Forward
- Up
- Horizontal

Question No: 10 (Marks: 1) - Please choose one

_____ exception inherits from exception class and _____ exception is anywhere in the program.

- Java , C#
- C++ , C# c
- C# , Java
- **Java ,C++**

Question No: 11 (Marks: 1) - Please choose one

In C# Managed code is executed under the control of

- CLR
- **CRL**
- Both of the above options
- None of the given

Question No: 12 (Marks: 1) - Please choose one

In_____ Boolean expression is convertible into integer type.

- C#
- **C++**
- JAVA
- Ada

Question No: 13 (Marks: 1) - Please choose one

PHP syntax looks like _____

- ASP syntax
- **C/C++ syntax**
- Both of the above options
- None of the given

Question No: 14 (Marks: 1) - Please choose one

For narrowing conversion which type conversion is appropriate?

- Implicit Conversion
- **Explicit Conversion**
- Both of the above options
- None of the given

Question No: 15 (Marks: 1) - Please choose one

In Java we can make pointer of _____.

- Any type
- **Reference type only**
- Both of the above options
- None of the given

Question No: 16 (Marks: 1) - Please choose one

The concept of package in Java is similar to _____

- **Assembly in C#**
- Global class in C#
- Function in C#
- None of the given

Question No: 17 (Marks: 1) - Please choose one

The concept of C# jagged array is similar in function to _____

- C++ rectangular Array
- **Java Array of Array**
- Java pointer Array
- C# Array

Question No: 18 (Marks: 1) - Please choose one

Java has a String class which is not exactly an array of

- **Char**
- Elements
- Indices
- Long

Question No: 19 (Marks: 1) - Please choose one

How many string operators are in PHP?

- **2**
- 3
- 4
- 10

Question No: 20 (Marks: 1) - Please choose one

C# code when compiled is converted into _____ code.

- **MSIL**
- MISL
- MSLI
- None of the given

Question No: 21 (Marks: 1) - Please choose one

In C# _____ can be inherited from other class but no inheritance from it. On the other hand _____ cannot be inherited not inheritance is possible from it is possible.

- Private class , public class
- Sealed class ,struct in C#
- **struct in C# , Sealed class**
- public class , inherited class

Question No: 22 (Marks: 1) - Please choose one

The concept of sealed class in C# is similar to _____

- **Struct in C#,**
- Struct in C++
- Abstract class in C#
- None of the given

Question No: 23 (Marks: 1) - Please choose one

Enumeration type in C# may take any type of _____ in contrast to C++ where it take only _____

- 1) **Numeric value, integer value**
- 2) Value type value, numeric value
- 3) Primitive type value, reference type value
- 4) Value type value, reference type value

Question No: 24 (Marks: 1) - Please choose one

The IS operator in C# is used for _____

- 1) Run time type conversion
- 2) Run time type checking
- 3) Run time type casting
- 4) **None of the given** (The 'is' operator supports run time type information)

Question No: 25 (Marks: 1) - Please choose one

PHP is a _____ typed language.

- 1) Strongly
- 2) Dynamic
- 3) Static
- 4) **None of Given**

Question No: 26 (Marks: 1) - Please choose one

_____ is more strongly typed language then _____

- 1) C++, C#
- 2) C#, C++
- 3) C++, Java
- 4) **None of the given**

Question No: 27 (Marks: 1) - Please choose one

Anything starting with Capital or underscore is a variable in _____

- 1) **Prolog,**
- 2) Lisp,
- 3) COBOL
- 4) None of the given

Question No: 28 (Marks: 1) - Please choose one

In C# the if statement condition is an/a _____

- 1) Arithmetic expression
- 2) **Boolean expression**
- 3) Numeric expression
- 4) Both Numeric expression and Boolean expression

Question No: 29 (Marks: 1) - Please choose one

In C# the value type and reference type variable are interconvert able through _____ concept.

- 1) Tagged type
- 2) **Boxing**
- 3) Interfaces
- 4) None of the given

Question No: 30 (Marks: 1) - Please choose one

C# support only_____ inheritance and it achieve_____ inheritance through the concept of interfaces.

- 1) Multiple, multiple
- 2) **Single, multiple**
- 3) Single, single
- 4) None of the given

Question No: 31 (Marks: 1) - Please choose one

Managed or safe code in_____ is executed under the control of common language runtime (CLR) with automatic garbage collection, no explicit memory allocation and de allocation and no explicit destructor.

- 1) C++
- 2) Java
- 3) Ada and C++
- 4) **C#**

Question No: 32 (Marks: 1) - Please choose one

PHP supported all major Databases including_____.

- 1) ODBC
- 2) Oracle
- 3) **SQL Server**
- 4) None Of given

Question No: 33 (Marks: 1) - Please choose one

Dynamic binding occurs at:

- 1) Compile Time
- 2) Design Time
- 3) Link Time
- 4) **Run Time**

Question No: 34 (Marks: 1) - Please choose one

Prolog language falls under the domain of:

- 1) **Scientific Applications**
- 2) Business Applications
- 3) Special Purpose Languages
- 4) None of these

Question No: 35 (Marks: 1) - Please choose one

Object in java script can be accessed through

- 1) Reference pointer method
- 2) None of the above
- 3) Capital letter or underscore in PROLOG
- 4) Variable in PROLOG

Question No: 36 (Marks: 1) - Please choose one

For Recursion it is necessary that a language:

- 1) **Dynamic**
- 2) Static
- 3) Both dynamic and static
- 4) Stack

Question No: 37 (Marks: 1) - Please choose one

First language that provided the concept of Pointer data type was _____.

- 1) COBOL
- 2) LISP
- 3) **PL/1**
- 4) JAVA

Question No: 38 (Marks: 1) - Please choose one

Variable use in VB without declaring decrease reliability and increase _____.

- 1) Readably
- 2) **Writeable**
- 3) Cost
- 4) Compile time

Question No: 39 (Marks: 1) - Please choose one

Dot operator in a _____ SNOBOL?

- 1) **Reference pointer**
- 2) Unary pointer
- 3) Class pointer
- 4) Binary pointer

Question No: 40 (Marks: 1) - Please choose one

The GOTO statement in SNOBOL is _____

- 1) **Explicit**
- 2) Punter method
- 3) Implementation
- 4) An Indirect Reference

Question No: 41 (Marks: 1) - Please choose one

Ada has _____ do while loop just like C++.

- 1) Also
- 2) **No**
- 3) Defective
- 4) None of the above

Question No: 42 (Marks: 1) - Please choose one

The last value execution in the _____ LISP is the return value

- 1) Atom
- 2) **Object**
- 3) Class
- 4) Function

Question No: 43 (Marks: 1) - Please choose one

Dotimes loop of LIPS similar working to ada:

- 1) **For**
- 2) Switch loop
- 3) Do while
- 4) While

Question No: 44 (Marks: 1) - Please choose one

Indexes of arrays in Ada do not start from,

- ❖ **0**
- ❖ 1
- ❖ 2
- ❖ 3

Question No: 45 (Marks: 1) - Please choose one

The keyword unsafe is used while dealing with_____

- 1) Loop
- 2) Arrays
- 3) **Pointers**
- 4) Classes

Question No: 46 (Marks: 1) - Please choose one

Tasks in _____are processes and cannot share data but thread in _____ do it.

- 1) C# , C++
- 2) C++ , Ada
- 3) Java , C#
- 4) **Ada , Java**

Question No: 47 (Marks: 1) - Please choose one

Java code when compiled is converted into _____ code.

- ☐ Bit code
- ☒ **Byte code**
- ☐ Kbytes code
- ☐ Giga byte Code

Question No: 48 (Marks: 1) - Please choose one

If you want an argument to a function to always be passed by reference, you can prepend

- ☐ Percentage sign (%) to the argument name in the function definition
- ☐ Dollar sign (\$) to the argument name in the function definition
- ☒ **An ampersand (&) to the argument name in the function definition**
- ☐ Tilled sign (~) to the argument name in the function definition

Question No: 49 (Marks: 1) - Please choose one

Ada pointers are called Access types.

- ☒ **TRUE**
- ☐ FALSE

Question No: 50 (Marks: 1) - Please choose one

The dangling pointer problem is partially alleviated by Ada design.

- ☐ TRUE
- ☒ **FALSE**

Question No: 51 (Marks: 1) - Please choose one

Which statement is wrong about Static variables?

- ☐ They are bound to memory cells before the execution of program
- ☐ They use to direct access the memory.
- ☒ **There is run time overhead of allocation and de-allocation of memory.**
- ☐ Storage can't be shared among variables

Question No: 52 (Marks: 1) - Please choose one

Following is the correct structure of a "block" in Ada.

```
declare          -- declare section optional
  statements
begin
  declarations

exception        -- exception section optional
  handlers
end;
```

```
declare      -- declare section optional
  declarations
begin
  statements
exception    -- exception section optional
  handlers
end;
```

```
declare          -- declare section optional
  statements
begin
  declarations
  handlers
exception        -- exception section optional
end;
```

```
declare          -- declare section optional
  statements
  declarations
begin
  statements
exception        -- exception section optional
  handlers
end;
```

Question No: 53 (Marks: 1) - Please choose one

Following statement returns the union of the two list in LISP.

- ☐ >(L1 UNION L2)
- ☒ >(union L1 L2)
- ☐ >Union L1
- ☐ >(L1 union L2)

Question No: 54 (Marks: 1) - Please choose one

In LISP, _____ is the main tool used for iteration.

- ☒ Recursion
- ☐ For Loop
- ☐ While Loop
- ☐ Do-While Loop

Question No: 55 (Marks: 1) - Please choose one

_____ represents the class of languages from functional paradigm.

- ☒ LISP
- ☐ PROLOG
- ☐ Ada
- ☐ C++

Question No: 56 (Marks: 1) - Please choose one

In LISP, following statement returns the difference of the two lists.

- ☐ (Difference L1 L2)
- ☒ (set-difference L1 L2)
- ☐ (L1 Difference L2)
- ☐ (L1 difference L2)

Question No: 57 (Marks: 1) - Please choose one

Lists can be constructed with the help of three basic functions which are _____.

- ☐ scheme, common lisp and cons
- ☐ cons, append and scheme
- ☒ **cons, list and append**
- ☐ list, atoms and append

Question No: 58 (Marks: 1) - Please choose one

Block statement in Ada is very different to a block in C.

- ☐ True
- ☒ **False**

Question No: 59 (Marks: 1) - Please choose one

Two important versions of LISP are _____.

- ☐ Scheme and Atoms
- ☒ **Scheme and Common Lisp**
- ☐ Common Lisp and defacto
- ☐ List and Common Lisp

Question No: 60 (Marks: 1) - Please choose one

In _____, Enumeration type can also be used as indexes in arrays.

- ☒ **Ada**
- ☐ C
- ☐ C++
- ☐ LISP

Question No: 61 (Marks: 1) - Please choose one

Following is the correct syntax of 'for' statement in Ada.

```
for variable in low_value .. high_value loop
    -- Loop body goes here
end loop;
```

```
for variable in low_value .. high_value loop
    -- Loop body goes here
end;
```

```
begin;
for variable in low_value .. high_value loop
    -- Loop body goes here
end loop;
```

```
begin;
for variable in low_value .. high_value loop
    -- Loop body goes here
end loop;
```



Question No: 62 (Marks: 1) - Please choose one

SNOBOL was designed for _____ purpose.

💧 **String manipulation**

- 💧 AI
- 💧 Business
- 💧 Scientific

Question No: 63 (Marks: 1) - Please choose one

Computer architecture has a major influence on the design of programming language.

💧 **True**

- 💧 False

Question No: 64 (Marks: 1) - Please choose one

Too much simplicity in language design can also cause problems.

💧 **True**

- 💧 False

Question No: 65 (Marks: 1) - Please choose one

COBOL is mainly designed for _____.

- 💧 Scientific experiments
- 💧 **Business application**
- 💧 AI applications
- 💧 Publishing and writing algorithm

Question No: 66 (Marks: 1) - Please choose one

In SONOBAL binary operators have atleast____ spaces

- 💧 1
- 💧 **2**
- 💧 3
- 💧 4

Question No: 67 (Marks: 1) - Please choose one

In SONOBOL can the size of the array be determined at run time.

- 💧 Yes
- 🍷 No

Question No: 68 (Marks: 1) - Please choose one

_____ is an important feature of Ada language used in embedded systems and operating systems. It is used in managing parallel threads of controls.

- 🍷 Controls
- 💧 Tasking
- 🍷 Classes
- 🍷 Arrays

Question No: 69 (Marks: 1) - Please choose one

First electronic computer was _____.

- 💧 ENIAC
- 🍷 Babbage analytical engine
- 🍷 Intel 386
- 🍷 IBM x86

Question No: 70 (Marks: 1) - Please choose one

It is always better to find out the mistakes in the code at _____.

- 🍷 Runtime
- 💧 Compile time
- 🍷 Link time
- 🍷 None of given option

Question No: 71 (Marks: 1) - Please choose one

Too much Orthogonality reduces Readability.

- 💧 True
- 🍷 False

Question No: 72 (Marks: 1) - Please choose one

COBOL was the first language that brings the concept of _____.

- 💧 **Records**
- 💧 Structure
- 💧 Object
- 💧 Variable

Question No: 73 (Marks: 1) - Please choose one

Learning the implementation details of a language helps in the efficient use of that language.

- 💧 **True**
- 💧 False

Question No: 74 (Marks: 1) - Please choose one

We can have nested procedures in _____ language.

- 💧 C++
- 💧 **Ada**
- 💧 C
- 💧 PROLOG

Question No: 75 (Marks: 1) - Please choose one

One of the major design goals of Ada was:

- 💧 **to help developers to code the software in lesser time**
- 💧 to make it difficult for developers to make mistakes
- 💧 to help develop an IDE for Ada
- 💧 to make testers to test Ada application easily

Question No: 76 (Marks: 1) - Please choose one

SONOBOL is case _____

- ◆ Sensitive
- ◆ **In-sensitive**
- ◆ Super sensitive
- ◆ Not sensitive

Question No: 77 (Marks: 1) - Please choose one

The main design goals of Ada were EXCEPT

- ◆ Program reliability and maintenance
- ◆ Design language for DoD
- ◆ Programming is a human activity therefore avoid unintentional mistakes
- ◆ **Designing a portable language**

Question No: 78 (Marks: 1) - Please choose one

The space operator has _____ precedence than arithmetic operators.

- ◆ Higher
- ◆ **Lower**
- ◆ Higher and Lower
- ◆ None of the given

Question No: 79 (Marks: 1) - Please choose one

Pattern. Variable Upon successful completion of pattern matching, the substring matched by the pattern is assigned to the variable as _____

- ◆ **Value**
- ◆ String
- ◆ Integer
- ◆ Real numbers

Question No: 80 (Marks: 1) - Please choose one

A language evaluation criteria includes following factors EXCEPT:

- ◆ Readability
- ◆ Writability
- ◆ Portability
- ◆ **Modularity**

Question No: 81 (Marks: 1) - Please choose one

The variable name has profound effect on _____.

- ◆ Readability
- ◆ Writability
- ◆ Orthogonality
- ◆ **Portability**

Question No: 82 (Marks: 1) - Please choose one

SIZE function in SONOBOL language is used to return the size of _____

- ◆ **String**
- ◆ Operator
- ◆ Variable
- ◆ Keyword

Question No: 83 (Marks: 1) - Please choose one

Indirect referencing in SONOBOL is same as of _____ in C.

- ◆ Arrays
- ◆ **Pointers**
- ◆ Aliasing
- ◆ Stack