



Virtual University

**CS508- MODERN
PROGRAMMING LANGUAGES
(SOLVED MCQs)
FROM MIDTERM PAPERS
LECTURE (1-22)**



BC190202640@vu.edu.pk
Junaidfazal08@gmail.com

For More Visit: vulmshelp.com

**JUNAID MALIK
(0304-1659294)**

AL-JUNAID INSTITUTE OF GROUP

1. was designed primarily for system simulation.

1. APL
2. SNOBOL
3. Pascal
4. Simula

2. Which of the following is not a discrete type in ada.

1. Integer type
2. Modular type
3. Character type
4. String type

3. The property list in LISP is a substitute of-----.

1. C/C++ pointer
2. C/C++ structure
3. Java interfaces
4. Compiler

4. Which of the following operator is used for pattern matching in SNOBOL?

1. = (Equal)
2. ≠ (Not Equal)
3. . (Dot)
4. (Space)

5. In SNOBOL we can create new pattern by -----two or more patterns.

1. Matching
2. Replacing

AL-JUNAID INSTITUTE OF GROUP

3. Removing

4. **Concatenating**

6. A ----- is used to signify a potentially infinite loop in ada.

1. Full loop

2. Simple loop

3. Special loop

4. Master loop

7. The design and evaluation of a particular ----- is highly dependent on the domain in

which it is to be used.

1. Computer program

2. Programming language

3. Database system

4. Software design

8. "Everything for everybody" was the motive of the language.

1. COBOL

2. LISP

3. **PL/1**

AL-JUNAID INSTITUTE OF GROUP

4. JAVA

9. Which of the following is not part of standard SNOBOL 4 statement structure?

1. Label

2. END

3. Statement body

AL-JUNAID INSTITUTE OF GROUP

4. Goto Field

10. The first programming language was----- developed by Zuse in isolation.

1. Ada
2. Algol
3. PL1
4. **Plankalkul**

11. The tools we use have a profound (and devious!) influence on our -----
--- habits and, on our thinking abilities.

1. Seeing
2. Listening
3. **Thinking**
4. Feeling

12. Which of the following functions assigns value 5 to symbol y.?

1. >(setq 5 y)
2. >(setq.5.y)
3. **>(setq y 5)**
4. >(setq.y.5)

13 was considered good for describing algorithms.

1. FORTRAN
2. **ALGOL**
3. LISP
4. Ada

AL-JUNAID INSTITUTE OF GROUP

14 was developed at Bell Labs by Stroustrup. It evolved from C and SIMULA 67.

AL-JUNAID INSTITUTE OF GROUP

1. C#
2. C++
3. Java
4. Smalltalk

15. What is maximum length of variable name in Snobol?

1. 16
2. 32
3. 64
4. 120

16. The first programming language to support Recursion was -----.

1. ADA
2. LISP
3. FORTRAN
4. COBOL

17. Two important versions of LISP are -----.

1. Scheme and Atoms
2. Scheme and Common Lisp
3. Common Lisp and defacto
4. List and Common Lisp

18. Pascal language was popular in Colleges and universities to teach:

1. Structured programming
2. Object Oriented programming
3. Business programming
4. Scripting language

19 -----was developed at Sun in the early 1990s and is based on C++.

AL-JUNAID INSTITUTE OF GROUP

1. C#

AL-JUNAID INSTITUTE OF GROUP

2. Java

3. Pascal

4. Smaltalk

20. To implement a counter-controlled loop in LISP. Which of the following statement is used?

1. listLoop

2. iterate

3. defun

4. dotimes

21. Measure of-----is considered as the cost of writing programs in a programming language.

1. Readability

2. Writability

3. Reliability

4. Productivity

22 was the era when programming language design took an empirical approach.

1. 1940s

2. 1950s

3. 1960s

4. 1970s

23 are a type of Aliasing.

1. Pointers

2. Parameters

3. Arrays

AL-JUNAID INSTITUTE OF GROUP

AL-JUNAID INSTITUTE OF GROUP

4. Linked List

24. Some languages allow special keywords for signaling the start and end of a construct, making it more ----- and less prone to errors.

1. **Readable**
2. Writable
3. Listenable
4. Watchable

25. In the Decimal fixed point type. The distance between values is implemented as a power of-----.

1. 2
2. **10**
3. 8
4. 16

26. Following are some of the reasons for studying concepts related to different programming languages EXCEPT.

1. Increased ability to learn new language
2. **Increased capability to design communication links**
3. Increased ability to design new languages
4. Increased capacity to express programming concepts

27. Which of the following statement is correct about SNOBOL?

1. **Poor Readability Poor Writability**
2. Poor Readability Good Writability
3. Good Readability Poor Writability
4. Good Readability Poor Writability

AL-JUNAID

INSTITUTE OF GROUP

28. A query given to a PROLOG system:

AL-JUNAID INSTITUTE OF GROUP

1. Is a pattern matching exercise
2. Cannot contain variables
3. Is treated an object
4. Does not involve database

29. A loop in which condition is tested after executing the body of loop is called post-test loop. Which of the following post- test loop is not supported in Ada language?

1. 'While' loop
2. 'do while' loop
3. 'for' loop
4. Infinite loop

30. The integrity of types is checked from all together in -----.

1. SNOBOL
2. Ada
3. Plankal Koll
4. ALGOL

31. Following are object oriented programming languages EXCEPT

1. C#
2. C++
3. JAVA
4. LISP

32. One is limited in his/her-----by the tools used to express his/her ideas.

1. Speaking
2. Thinking
3. Listing

AL-JUNAID INSTITUTE OF GROUP

4. Writing

AL-JUNAID INSTITUTE OF GROUP

33. “Conditional control transfer” gave rise to the idea of ----- which are blocks of code that can be reused over and over.

1. Namespace
2. Header Files
3. Libraries
4. Objects

AL-JUNAID INSTITUTE OF GROUP

34. Which of the following is considered as legal variable name in SNOBOL.

1. my.var
2. lmyvar
3. _myvar
4. .myvar

35. If a language provides a feature of referencing a variable in more than one way then we say that the language provides -----.

1. Data mining
2. Reliability
3. Aliasing
4. Orthogonality

AL-JUNAID INSTITUTE OF GROUP

36. LISP stand for List----- Language.

1. Professional
2. Programming
3. Processing
4. Procedure

37. Which of the following function in LISP determines whether ‘m’ is a member of list ‘T’ or not?

AL-JUNAID INSTITUTE OF GROUP

1. (cond ((member T)m))
2. (eq member (T , m))
3. (defun member (m T))
4. (is Member (m, T))

38. A 'break' statement in C-language is used to exit from loop structure. It's alternative in Ada language is:

1. exit
2. Kill
3. Terminate
4. Breakif

39. -----was the first object oriented language.

1. JAVA
2. LISP
3. COBOL
4. SIMULA

AL-JUNAID INSTITUTE OF GROUP

40. The only Control structure in SNOBOL is -----

1. For loop
2. Go to statement
3. If Else statement
4. Switch statement

41. LISP was the first programming language that introduced the concept of -
-----.

1. Pointers
2. Arrays
3. Dynamic typing
4. Trees

AL-JUNAID INSTITUTE OF GROUP

42. “do time” loop of LISP is similar in working to----- of Ada.

1. Switch statement
2. While loop
3. If-else statement
4. For loop

43. SNOBOL stands for ----- language.

1. String Oriented Symbolic
2. Structure Oriented Simple
3. String Oriented Simple
4. Structure Oriented Symbolic

44. PHP stands for ----- Home Page.

1. Public
2. Private
3. Personal
4. Protected

45. The function that is used to remove all properties of a symbol in Lisp is:

1. NULLP
2. RAMOVE
3. Terminate-all
4. Remprop

46. The declarative language among the following is:

1. PROLOG
2. PASCAL
3. C++
4. C

AL-JUNAID INSTITUTE OF

AL-JUNAID INSTITUTE OF GROUP

47. One of the significant feature associated with SNOBOL is -----

1. Performing arithmetic operation separately
2. Mixing arithmetic and string operations
3. Explicit Variable declaration
4. Allows String manipulation operation only

48. 16-23 function points show that language level is -----

1. 16-23
2. 4-8
3. 9-15
4. 1-3

49. In the ordinary fixed point type, the distance between values is implemented as a power of -----

1. 16
2. 10
3. 2
4. 8

50. Low level features are very important in a language if you want to work on _

1. Scientific Application
2. Artificial Intelligence Application
3. System programming
4. Functional Paradigm

51. \$ operator in SNOBOL is used as both a/an ----- and -----operator.

1. Unary, external
2. Internal, binary
3. Unary, binary

AL-JUNAID INSTITUTE OF GROUP

4. external, internal

52. C language was popular in students due to:

1. Easy portability
2. Orthogonality
3. Arithmetic decimal support
4. Size of language

53. Using SNOBOL, the correct way to create a one-dimensional array of 7 elements with the lower index being 2 and the upper index being 8.

1. X=ARRAY('2;8')
2. X=ARRAY('2:8')
3. X=ARRAY('2,8')
4. X=ARRAY('2.8')

54. Disjunction in Prolog is through ----- and conjunction is through -----

1. Dot(.), OR
2. OR, Dot(.)
3. Coma(,), OR
4. OR, coma(,)

55. Ada discriminate types is similar to _____.

- o C/C++ pointer
- o **C/C++ union**
- o C/C++ reference
- o All of the given

56. The block structure feature of ALGOL60 has _____scope.

AL-JUNAID INSTITUTE OF GROUP

o No

o **Local**

PG # 27

o Universal

o Global

57. Unlike C/C++, Ada can have _____ within functions/procedures.

o Objects

o **Functions/procedures**

o Events

o Parameters

58. In the Decimal fixed point type, the distance between values is implemented as a power of _____.

o 2

o **10**

PG # 53

o 8

o 16

59. Function must have at least _____ return statement.

o Three

o Two

AL-JUNAID INSTITUTE OF GROUP

o **One**

AL-JUNAID INSTITUTE OF GROUP

o Four

Every function must have at least one return statement. A procedure is not required to have any return statements.

The expression in a function's return statement must evaluate to a type that matches the return type in the function's declaration.

60. ____ operations must have one of its parameters of the tagged type.

o Concurrent

o Synchronized

o **Primitive** **PG # 63**

o Generic

61. An understanding of implementation issues leads to a/an ____ of why languages are designed the way they are.

o Uncertainty

o **Understanding** **PG # 5**

o Misunderstanding

o Confusion

62. ____ has an efficient use of processor and memory.

AL-JUNAID INSTITUTE OF GROUP

o Plankul Kool

o **LISP**

o CORBA

o C++

63. _____ is/are harmful as far as readability is concerned.

o **Overloading**

o Orthogonality

o Statements like Break or Continue

o Case statement

64. A language that can be used for a wide domain of applications has higher _____.

o Portability

o **Generality** **PG # 21**

o Reliability

o Readability

65. . Imperative programming languages are the direct result of _____.

o Charles Babbage engine

o Logic or list program languages.

o **Von Neumann architecture** **PG # 22**

o Language application domain

AL-JUNAID INSTITUTE OF GROUP

66. Which statement is true from programming language evolution perspective about 1970's era?

- Analysis and elaboration era
- Era of effective software technology** **PG # 32**
- Era of object oriented programming languages
- Era of discovery and description

67. Variable name in SNOBOL may not be longer than_____.

- 150 characters
- 250 characters
- 500 characters
- 120 characters** **PG # 34**

68. If we have two spaces in SNOBOL the first is used for_____and the second one for_____.

- concatenation, pattern matching** **PG # 36**
- immediate assignment, replacement
- pattern matching, concatenation
- as a whole assignment, immediate assignment.

69. . Today about 50 % coding is done in_____.

- BASIC
- C
- ADA

AL-JUNAID INSTITUTE OF GROUP

o Visual Basic

70. Which statement is correct about Table in SNOBOL?

o Table is indexed by number **PG # 45**

o Table is indexed by the key

o Table can be indexed by both keys and numbers

o Table cannot be indexed

71. Which of the following statement is Correct about SNOBOL?

o Poor readability

o Good writability

o Poor readability and writability **PG # 46**

o Good readability

72. The first-level elements in LISP are called _____ level elements.

o First

o Index

o Top **PG # 68**

o Priority

The first-level elements in LISP are called top-level elements. For example top elements of list (a b c) are a, b, and c.

Similarly, top elements of list (a (b c)) are a and (b c).An empty list is represented by nil. It is the same as ().

AL-JUNAID
INSTITUTE OF GROUP

AL-JUNAID INSTITUTE OF GROUP

73. To write a user defined function in LISP we use_____.

Setq

Defun

PG # 74

Def func

func

74. dotime loop of LISP is similar in working to_____of Ada.

while loop

for loop

switch statement

Both while loop and switch statement

75. (.)Dot operator is a_____in SNOBOL.

Reference pointer

Unary operator

Class pointer

Binary operator

76. The GOTO statement in SNOBOL is_____.

explicit

pattern matched

implicit

AL-JUNAID INSTITUTE OF GROUP

o **an indirect reference.**

77. The first argument in LISP list is the ___

- o list
- o function
- o argument

o **atom**

78. . Function in LISP is in _____ notation.

- o postfix
- o infix

o **prefix** **PG # 68**

o none of the given

79. _____ may also change global variable as a side effect.

- o time LISP iteration
- o list LISP iteration
- o **dolist LISP iteration**
- o dotime LISP iteration

80. We have extensive use of _____ in LISP.

- o for loop
- o switch statement
- o **recursion**

AL-JUNAID INSTITUTE OF GROUP

o AI

81. Java has no_____.

o multiple inheritance

o struct

o enum type

o **All of the Given**

82. Which of the following is a language designed for distributed computing architecture?

o **CORBA**

o FORTRAN

o ADA

o LISP

83. _____does not have a predefined inheritance hierarchy.

o ALGOL

o PROLOG

o C++

o **Ada**

PG # 50

84. Record in Ada is similar to structure in C/C++. Record members in Ada is accessed through a/an_____

o **(.)Dot operator**

PG # 54

o None of the given

AL-JUNAID INSTITUTE OF GROUP

o both (□)arrow operator and (.)Dot operator

o (□)arrow operator

85. We may create our own exceptions in___.

o C

o SNOBOL

o C++

o **Ada**

86. A language is reliable if during execution it does not create_____.

o Result

o **Error**

o Bytecode

o Malfunction

87. If the program written in a particular language is less___4 than the cost of failure of the system may be significant.

o Writable

o **Reliable**

PG # 20

o General

o Readable

AL-JUNAID INSTITUTE OF GROUP

88. The portability has direct relation with_____.

- o Simplicity
- o Readability
- o Generalization

o **Standardization**

PG # 21

89. Conditional control transfer" gave rise to the idea of_____which are blocks of code that can be reused over and over.

- o Namespaces
- o Header Files
- o Objects

o **Libraries**

PG # 22

90. Identify the feature which was not available in FORTRAN-IV.

o **support for structured programming**

PG # 26

- o logical IF statement
- o support for explicit type declarations
- o subprograms could also be passed as parameters

91. _____programming language is known as “Write-Only” language.

AL-JUNAID INSTITUTE OF GROUP

o FORTRAN

o BASIC

o PL/1

o **APL** **PG # 29**

92. Which statement is true about SNOBOL?

o Its developers are computer experts

o **Its developers have limited introduction with computer science**
PG # 46

o Is an example of aspect programming languages

o Have many data types

93. SONOBOL is case ____

o Sensitive

o **In-Sensitive** **PG # 34**

o Super-Sensitive

o Not-Sensitive

94. The earliest form of a computer language was ____ motion.

o **Physical** **PG # 21**

o Logical

AL-JUNAID INSTITUTE OF GROUP

o Virtual

o Spiritual

95. _____ is The First High Level Language

o **FORTAN** **PG # 26**

o Ada

o Plankal küll

o LISP

96. Following factors influences a portable language design EXCEPT

o Computer architecture

o Readability

o Programmer's time

o **Windows XP**

97. _____ is concerned with maintenance and debugging this is a very important concern because if

maintenance cost is reduced, the overall cost on the software will also be reduced.

o **Readability** **PG # 20**

o Writability

o Orthogonality

o Portability

AL-JUNAID INSTITUTE OF GROUP

98. A language that is more orthogonal is usually more_____.

Readable

Writable

Portable

Reliable

99. Which of the given resulted in more complex software requiring support for software engineering in the programming languages.

increasing Hardware Cost only

Decreasing Software Cost only

increasing Hardware Cost and Decreasing Software Cost

Decreasing Hardware Cost and increasing Software Cost

101. COBOL is mainly designed for_____.

Scientific experiments

Business application **PG # 23**

AI applications

Publishing and writing algorithm

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

COBOL

AL-JUNAID INSTITUTE OF GROUP

o LISP

o **PL/1**

PG # 29

o JAVA

103. + Sign is used for ___ in SONOBOL

o **Line Continuation**

PG # 39

o Line Breakage

o Body of the program

o Immediate assignment

104. First electronic computer was

o **ENIAC**

PG # 21

o Baggage Analytical Engine

o Intel 386

o IBM x86

105 : Sign in program written in SONOBOL is used to show the ____

o Line continuation

o **Body of the program**

o Line breaking

AL-JUNAID INSTITUTE OF GROUP

- o immediate assignment

106. Following are some of the reasons for studying concepts related to different programming languages EXCEPT

- o Increased ability to learn new languages
- o **Increased capability to design communication links**
- o Increased ability to design new languages
- o Increased capacity to express programming concepts

107. Following are object oriented programming languages EXCEPT

- o C++
- o JAVA
- o **LISP**
- o C#

108. Following are imperative languages EXCEPT

- o **LISP** **PG # 22**
- o C
- o FORTRAN
- o PASCAL

AL-JUNAID INSTITUTE OF GROUP

109. Learning the implementation details of a language helps the programmer in...

- Finding bugs
- Fixing bugs
- Both finding and fixing bugs**
- Neither finding nor fixing bugs

110. Learning curve is _____proportional to the number of basic components.

- Directly** **PG # 15**
- Indirectly
- both directly and indirectly
- neither directly nor indirectly

111. Binary operator in SONOBOL must has at least _____spaces on both sides.

- 2
- 1** **PG # 35**
- 3

AL-JUNAID INSTITUTE OF GROUP

o 5

112. PROLOG represent paradigm.

o **Declarative** **PG # 82**

o Formal

o Functional

o Algorithmic

113. ___ was the first object oriented language.

o COBOL

o LISP

o JAVA

o **SIMULA** **PG # 29**

114. “Everything for everybody” was the motive of the language

o COBOL

o LISP

o **PL/1** **PG # 29**

o JAVA

AL-JUNAID INSTITUTE OF GROUP

115. COBOL was the first language that brings the concept of_____

Records **PG # 28**

- Structure
- Object
- Variable

116. _____are a type of Aliasing.

- Pointers
- Parameters
- Arrays**
- Linked List

117. SNOBOL was designed for_____purpose.

String manipulation **PG # 29**

- AI
- Business
- Scientific

SNOBOL (1964) designed as a string manipulation language (at Bell Labs by Farber, Griswold, and Polensky). It had

AL-JUNAID INSTITUTE OF GROUP

powerful operators for string pattern matching but suffered from poor readability and maintainability.

118. A space is used as for ____ concatenation

- Variable
- String
- Data Type
- Operator** **PG # 36**

119. A language evaluation criteria includes following factors EXCEPT

- Readability
- Writability
- Portability
- Modularity**

120. Learning different programming languages helps in increasing the ____ to express programming concepts

- Range
- Volume
- Capacity** **PG # 5**
- Level

AL-JUNAID INSTITUTE OF GROUP

121. If a language provides a feature of referencing a variable in more than one way then we say that the language provides _____.

- Aliasing** **PG # 16**
- Data Mining
- Orthogonality
- Reliability

If a language has more than one way to accomplish the same task, then it can cause confusion and complexity.

122. For immediate value assignment _____ sign is used.

- %
- &
- \$** **PG # 40**
- *

123. _____ was considered good for describing algorithms.

AL-JUNAID INSTITUTE OF GROUP

o FORTRAN

o **ALGOL**

PG # 27

o LISP

o Ada

124. Which of the following is an incorrect option from the following statements regarding „objectives of learning new languages“?

o Help to compare different languages.

o Help in transition from one language to other language.

o **Help in understanding the language piracy policy.**

o Help to choose a language for development of a certain application.

125. If a language become very simple then it will_____.

o increase readability

o **increase writability**

o increase readability and decrease writability

o decrease both readability and writability

126. LISP was basically developed to solve_____ problems.

o **Artificial intelligence**

PG # 23

o Accounting

AL-JUNAID INSTITUTE OF GROUP

- o Scientific
- o Business

127. Smalltalk was the first purest_____language and pioneered graphical user interface.

- o **object oriented** **PG # 30**
- o structured
- o procedural
- o functional

Smalltalk - 1972-1980 – The Purest Object-Oriented Language

It was developed at Xerox PARC, initially by Alan Kay and then later by Adele Goldberg.

128. Which of the following is used for indirect referencing in SNOBOL?

- o **Unary \$** **PG # 42**
- o Binary S
- o Unary &
- o Binary &

AL-JUNAID INSTITUTE OF GROUP

129. SIZE () and REPLACE () in SNOBOL4 are ___ functions

- o **Primitive** **PG # 42**
- o built-in
- o user defined
- o both primitive and built-in

Primitive Functions

There are a number of primitive functions but we shall look at only a few. These include SIZE and REPLACE

functions. The SIZE function returns the size of a string and the REPLACE function is used to replace one character with another in the entire string.

130. Reliability of a language addresses following concepts/ factors EXCEPT

- o Type checking
- o Array bounds checking
- o Exception handling

AL-JUNAID INSTITUTE OF GROUP

- o **Language development environment** **PG # 20**

131. _____ provide middle layer among browser and database.

- o JavaScript
- o **PHP**
- o C#
- o SMALTALK

132. The only Control structure in SNOBOL is _____.

- o If Else statement
- o Switch statement
- o **Go to Statement** **PG # 45**
- o For Loop

133. Two-dimensional arrays are stored column-wise (column major) in _____.

- o ALGOL
- o BASIC
- o **FORTRAN** **PG # 5**

AL-JUNAID INSTITUTE OF GROUP

- o C#

134. The first high level language is_____.

o **FORTRAN** **PG # 26**

o Plankal kool

o Ada

o SNOBOL

135. _____was the first step towards the complex languages of today.

o ENIAC

o Pascal

o A-0 Compiler

o **Short Code language** **PG # 22**

136. Ada 95 is the first internationally standardized_____programming language.

o Structured

o **Object-Oriented** **PG # 48**

o Non-Structured

o Logical

AL-JUNAID INSTITUTE OF GROUP

137. In the Ordinary fixed point type, the distance between values is implemented as a power of_____.

- 16
- 2** PG # 52
- 10
- 8

138. Operator overloading_____ Writability but Readability is affected.

Decreases

Increases

Has no affect on

Stabilizes

139. _____is not good as far as reliability of a language is concerned.

- Orthogonality

AL-JUNAID INSTITUTE OF GROUP

o **Readability**

o Writability

o Aliasing

140. Which statement best suited for C programming language?

o String manipulation language

o First language to provide exception handling

o **With powerful set of operators but poor type checking** PG # 30

o Introduce the notion of class

141. ____ operations in SNOBOL are right associative.

o Unary

o **Exponentiation** PG # 34

o Multiplication

o Addition

142. ____ is used in arithmetic expression in SNOBOL.

o Space operator

o \$ operator

o **String**

o Character

AL-JUNAID INSTITUTE OF GROUP

143. We use _____ operator for indirect referencing in SNOBOL.

o Unary dot(.)

o Unary \$ PG # 42

o Binary dot(.)

o Binary \$

144. In _____ we shape the program as a function.

o SNOBOL

o LISP

o ALGOL

o **C**

145. LISP was the first programming language that introduced the concept of _____.

o Pointers

o Arrays

o Dynamic typing

o Trees

146. Which of the following is used in LISP to forbid the evaluation of a symbol?

AL-JUNAID INSTITUTE OF GROUP

- o Space
- o **Quote** PG # 70
- o Hyphen
- o Double quote

Question#1

Correct syntax of creating variable of a specific length in ada is:

- o Some_string: String(1>20);
- o **Some_String: String(1..20);**
- o Some_String: String(1:20);
- o Some_String: String(1,20);

Question#2

Function in LISP is itself a-----.

- o Obejct
- o Datatype
- o **List**
- o Variable

Question#3

_____ is the Modulus Operator in ADA programming language.

- o **Mod**
- o %
- o &
- o Modulu

Question#4

There are _____ built in character types in Ada.

- o Five
- o Three
- o One
- o **Two**

AL-JUNAID INSTITUTE OF GROUP

Question#5

Using Ada, the correct way to declare a floating point type with 15 decimal digits of precision is_____.

- Type double in digit 15;
- Type double is digits 15;
- Type double in digits 15;
- Type double is digit 15;

Question#6

The structure that is used to group data and subprograms in ada language is called :

- Package
- Class
- Array
- Function

Question#7

Data type in Ada can be extended through:

- Polymorphism
- Inheritance
- Function
- Arrays

Question#8

In Ada programming language_____operator is used to access individual fields of a record type.

- Dot
- Space
- Colon
- Exclamation

Question#9

To terminate a simple loop in Ada , which of the following statement is used?

- Finish
- Break
- End

AL-JUNAID INSTITUTE OF GROUP

- Exit

Question#10

How many times the following loop in LISP will be executed?

(dotimes (count n result)

Body

)

- n
- n+1
- **n-1**
- n/2

Question#11

In LISP, _____ function is same as _____ function.

- Cdr . cons
- Car . rest
- **Car . rest**
- Car . second

Question#12

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

- For Loop
- **Recursion**
- Do-While Loop
- While Loop

Question#13

The correct syntax of 'For' loop in Ada is

- **For variable in low_value_high_value loop_(Loop body)
End loop;**
- For variable in low_value_high_value loop_(Loop body)
End ;

AL-JUNAID INSTITUTE OF GROUP

Question#14

In Ada language _____ are used for encapsulation.

- Variables
- Packages
- Functions
- Records

Question#15

Extensible type in Ada language are created through:

- Operator Overloading
- Tagged types
- Dynamic programming
- Packages

Question#16

In LISP. Following statement returns the difference of the two lists.

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

Question#17

In Ada the correct way to declare a boolean type with value of false and true is

- Type boolean is (False; true);
- Type boolean is (False: true);
- Type boolean is (False. true);
- **Type boolean is (False, true);**

Question#18

What will be the result of following function call in LISP?

AL-JUNAID INSTITUTE OF GROUP

- >(/7.02)

- 3.5

- 7/2

- 7.02

9.0

Question#19

To write a user defined function in LISP we use

- Defun
- Setq
- Func
- Def func

Question#20

A function in Ada language can have:

- Only one 'return' statement
- Any number of 'return' statements
- Maximum two 'return' statement
- At-least three 'return' statements

Question#21

What will the output of following LISP expression?

0.4

2/5

5/2

2.5

Question#22

If you want to assign a value 10 to a variable named 'Roll_No' In Ada language then which of the following is a correcre way to do that?

- Roll_No =10;
- Roll_No :10;
- Roll_No: =10;
- Roll_No ->10;

Question#23

AL-JUNAID INSTITUTE OF GROUP

List Item can be Iterated over using..... statement in LISP.

- Dolist
- Iterate
- **Ilist**
- Looplist

Question#24

Ada is a..... Language.

- Grammar free
- Poorly destgned
- **Strongly typed**
- weakly typed

Question#25

Which of the following statement of LISP generate an error?

- $>(+(/35)4)$
- **$>(\text{setq}3.0)$**
- $>(\text{sqrt}x)$
- $>(+(\text{sqrt}4)4.0)$

Question#26

A person's buying choice are further influenced by four major psychological factors: motivation, perception, learning, and beliefs and attitudes.

- False
- **True**

Question#26

In buyer black box, only the informations pertaining to environment are processed.

- True
- **Fales**

Question#27

When you collect information from your company's accounting and sales records stored in the computer, you are developing an internal database.

- **True**
- fales

Question#28

Which of the following post-test loop is not supported in Ada language?

- 'for' loop

AL-JUNAID INSTITUTE OF GROUP

- 'do while' loop
- 'while' loop
- infinite loop

Question#29

To implement a counter-controlled loop in LISP, which of the following statement is used?

- listLoop
- defun
- iterate
- dotimes

Question#30

what will the output of following LISP expression?

- 2.5
- 2/5
- 5/2
- 0.4

Question#31

_____ is used to give comments in Ada language.

- /*
- */
- _
- //

Question#32

Which of the following is an invalid symbol in LISP?

- Testsymbol
- Test symbol
- Test-symbol
- Test_symbol

Question#33

AL-JUNAID INSTITUTE OF GROUP

Which of the following operator in Ada is used to check the non-equality of two operands?

- ==!
- !=
- /=
- <>

Question#34

What will be the top element of the following list in LISP?

- (XX YY(X,Y,Z))
- XX and YY
- X,Y,Z
- XX only
- XX,YY and (X,Y,Z)

Question#35

In which of the following style of programming, evaluation of expression is emphasized rather than execution of commands?

- Aspect-based Programming
- Generic Programming
- Functional Programming
- Object-oriented Programming

Question#36

Which of the following is a correct if-statement in LISP?

- If (66 score <) 'High
- If (66 score >) 'High
- If (< score 66) 'High
- If (score 66<) 'High

Question#37

In LISP , an empty list represented by nil is the same as

- {}
- 0

AL-JUNAID INSTITUTE OF GROUP

- 0
- <

Question#38

, Ada 95 is the first internationally standardized object-oriented programming language.

- **object-oriented**
- Logical
- Structure
- Non- structured

Question#39

The enum type of Ada language is different from the enum type of C language as no _____ on Ada enumtype is performed.

- Arithmetic Operation
- Relational Operation
- Boolean Operation
- **logical Operation**

Question#40

In LISP, if predicate is false then output will be:

- F
- **NIL**
- T
- 0

Question#41

You have just extracted sales and cost data used by the accounting department for preparing financial statement. Most likely, this information should be complete and in useable form to build an internal marketing database.

- **False**
- True

Question#42

Identify the correct syntax of 'while' loop in ada language:

- **Loop while (conditional) _loop body**
End while;
- while (conditional) _loop body
End while;
- while (conditional)

AL-JUNAID INSTITUTE OF GROUP

```
{  
  _loop body  
}  
End while;
```

- while condition Loop _loop body
 End loop;

Question#43

When you collect information from company's accounting and sales records stored in the computer, you are developing an internal database.

- True
- False

Question#44

A dissonance-reducing buying behavior is designed to probe consumers' hidden, subconscious motivations.

- False
- True

Question#45

Although consumers in different countries have different values, attitudes, and behaviors, the products they buy are very similar to each other

- True
- False

Question#46

A person's buying choice are further influenced by four major psychological factors: motivation, perception, learning, and beliefs and attitudes.

- False
- True

Question#47

In a marketing information system, an internal database is a part of developing needed information:

- False
- True

Question#48

AL-JUNAID INSTITUTE OF GROUP

The list of parameters in Ada subprogramming is separated by

- Colon
- Semicolon
- Comma
- Dot

Question#49

Discriminated records in Ada are like _____ types in c.

- Union
- Set
- Intersection
- Join

Question#50

What will be the output of following LISP expression?

- 0.4
- 2/5
- 5/2
- 2.5

Question#51

In Ada the correct values of the following modular type are _____ type
M is mod 7;

- 1,2,3,4,5,6
- 0,1,2,3,4,5
- 1,2,3,4,5,6,7
- 0,1,2,3,4,5,6

Question#52

Consider the following two statements written in Ada:

Type Months is (January,February,march,April,may,June,July);

Type monthly_Sales is array(Months) of Float;

What is size of array named 'Monthly_Sales'?

- 2
- 8
- 3
- 7

AL-JUNAID INSTITUTE OF GROUP

Question#53

A _____ program has two types of elements: atoms and lists.

- Ada
- PROLOG
- LISP
- C++

Question#54

Which of the following function in LISP determines whether 'm' is a member of list 't' or not?

- (is Member (m,T))
- (eq Member (T,m))
- (defun Member (m,T))
- (cond((Member T)m))

Question#55

We may create our own exceptions in _____.

- Ada
- C++
- SNOBOL
- C

Question#56

Using Ada language, the correct way to declare an integer type with the lower value being 1 and the upper value being 100 is _____

- Type Marks is range1;100;
- Type Marks is range1::100;
- Type Marks is range1..100;
- Type Marks is range1,100;

Question # 57

A/An _____ is a sequence of ordered enumeration literals in ada.

- String data type
- Struct type
- Float data type
- Enumeration type

Question # 58

Each 'if' statement in Ada language must be terminated with corresponding.

- 'else' statement
- 'then' statement
- 'elsif' statement
- 'end if' statement

Question # 59

A 'break' statement in c-language is used to exit from loop structure. It's alternative in Ada language is:

AL-JUNAID INSTITUTE OF GROUP

- Breakif
- **Exit**
- Kill
- terminate

Question # 60

Two important version of LISP are _____.

- Commen lisp and defacto
- List and common lisp
- **Scheme and common lisp**
- Scheme and atoms

Question # 61

We use tagged type in Ada for _____

- Inheritance
- **Encapsulation**
- Abstraction
- Polymorphism

