

CS508-Modern Programming Language FINAL TERM MCQS Prepared by: JUNAID MALIK

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1) One difference LISP and PROLOG is

- AI
- Puzzle
- Game
- All of the given

2) Variable of _____ is not an object of java

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

3) In _____ every class in Java is part is overloaded

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

4) C# and C++ have _____ size.

- Same
- Different
- Distinct
- None of the given

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

- C#
- C++
- Java
- Ada

6) _____ 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 and C++

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

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- One
- Two
- Three
- Four

8) Which chaining type is used by Prolog?

- Backward
- Forward
- Horizontal
- Up

9) In C# Managed code is executed under the control of

- CRL
- CLR
- Both
- None

10) PHP syntax looks like _____

- ASP syntax
- C/C++
- Both
- None

11) In Java we can make pointer of _____.

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

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

- Char
- Elements
- Indices
- Long

13) How many string operators are in PHP?

- 2
- 3
- 4

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➤ 10

14) C# code when compiled is converted into _____ code.

- MISL
- MSIL
- MSLL
- None

15) 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

16) The IS operator in C# is used for _____

- Run time type conversion
- Run time type checking
- Run time type casting
- None of the given

17) PHP is a _____ typed language.

- Strongly
- Dynamic
- Static
- None of Given

18) Anything starting with Capital or underscore is a variable

- in _____ ➤ Prolog,
- Lisp,
 - COBOL
 - None of the given

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

- Arithmetic expression
- Boolean expression
- Numeric expression
- Both Numeric expression and Boolean expression

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20) In C# the value type and reference type variable are interconvertible through _____ concept.

- Tagged type
- **Boxing**
- interfaces
- None of the given

21) C# support only _____ inheritance and it achieve _____ inheritance through the concept of interfaces.

- Multiple, multiple
- **Single, multiple**
- Single, single
- None of the given

22) Dynamic binding occurs at:

- Compile Time
- Design Time
- Link Time
- **Run Time**

23) Prolog language falls under the domain of:

- **Scientific Applications**
- Business Applications
- Special Purpose Languages
- None of these

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

- COBOL
- LISP
- **PL/1**
- JAVA

25) Variable use in VB without declaring decrease reliability and increase _____

- **Writeable**
- Readably
- Cost
- Compile time

26) Dot operator in a _____ SNOBOL?

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➤ Reference pointer

➤ Unary pointer

➤ Class pointer

➤ Binary pointer

27) The GOTO statement in SNOBOL is _____

➤ Explicit

➤ Implementation

➤ Punter method

➤ An Indirect Reference

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

➤ Also

➤ NO

➤ Defective

➤ None of the above

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

➤ Atom

➤ Object

➤ Class

➤ Function

30) Dotimes loop of LIPS similar working to ada:

➤ For

➤ Switch loop

➤ Do while

➤ While

31) Indexes of arrays in Ada do not start from

➤ 0

➤ 1

➤ 2

➤ 3

32) The keyword unsafe is used while dealing with _____

➤ Loop

➤ Arrays

➤ Pointers

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➤ Classes

33) Java code when compiled is converted into _____ code.

➤ Bit code

➤ Byte code

➤ Kbytes code

➤ Giga byte Code

34) Ada pointers are called Access types.

➤ True

➤ False

35) The dangling pointer problem is partially alleviated by Ada design

➤ True

➤ False

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

➤ >(L1 UNION L2)

➤ >(union L1 L2)

➤ >Union L1

➤ >(L1 union L2)

37) In LISP, _____ is the main tool used for iteration

➤ Recursion

➤ For Loop

➤ While Loop

➤ Do-While Loop

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

➤ (Difference L1 L2)

➤ (set-difference L1 L2)

➤ (L1 Difference L2)

➤ (L1 difference L2)

39) 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

40) SNOBOL was designed for _____ purpose.

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➤ String manipulation

- AI
- Business
- Scientific

41) Computer architecture has a major influence on the design of programming language. ➤ True

- False

42) COBOL is mainly designed for _____.

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

43) In SONOBAL binary operators have at least _____ spaces

- 1
- 2
- 3
- 4

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

- Yes
- No

45) _____ 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

46) First electronic computer was _____.

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

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

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- Runtime
- **Compile time**
- Link time
- None of given option

48) Too much Orthogonality reduces Readability.

- **Yes**
- No

49) COBOL was the first language that brings the concept of _____

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

50) SONOBOL is case _____

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

51) The space operator has _____ precedence than arithmetic operators.

- **Higher**
- Lower
- Higher and Lower
- None of the give

52) A language evaluation criteria includes following factors EXCEPT:

- Readability
- Writabilty
- Portability
- **Modularity**

53) The variable name has profound effect on _____.

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

54) SIZE function in SONOBOL language is used to return the

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size of _____ > String

- > Operator
- > Variable
- > Keyword

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

- > Arrays
- > Pointers
- > Aliasing
- > Stack

56) Following factors influences a portable language design EXCEPT:

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

57) + Sign is used for _____ in SONOBOL.

- > Line Continuation
- > Line Break
- > Line Configuration
- > Line Alignment

58) _____ was the first object oriented language.

- > COBOL
- > LISP
- > JAVA
- > SIMULA

59) In C# struct are used as _____

- > pointer
- > array
- > parameters
- > class

60) JavaScript _____ from java language

- > related
- > un-related
- > derived

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➤ none of the given

61) In Prolog we specify _____ and not _____ .

➤ Solution, problem

➤ Solution, code

➤ Problem, solution

➤ None of the above

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

➤ implicit

➤ explicit

➤ Both of the above options

➤ None of the given

63) 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

64) We use _____ in Ada.

➤ tagged type

➤ int type

➤ float type

➤ none of the given

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

➤ CONTINUE

➤ GOTO

➤ SWITCH

➤ None of the given

66) _____ is place holder value that is not required.

➤ anonymous

➤ prolog

➤ both of the above options

➤ none of the given

67) LISP used in _____ and _____ .

➤ functional paradigm, AI

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- AI, functional paradigm
- Multi-paradigm, AI
- PROLOG Paradigm, AI

68) We use _____ indirect referencing operator in SNOBOL

- Binary
- Binary \$
- Unary
- Unary \$

69) Elementary types are also called _____ in ADA

- Static
- user defines
- built-in
- Discrete

70) ADA is a _____ typed language

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

71) _____ has elaborated exception handling

- Ada
- C++
- JAVA
- COBOL

72) _____ has a powerful set of operators but poor type checking

- C
- C++
- ADA
- LISP

73) _____ and _____ have declaration paradigm

- Prolog, SQL
- SQL, Prolog
- Lisp, SQL
- SQL, Lisp

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74) 1st machine independent language is _____

- ALGOL
- COBOL
- ADA
- PASCAL

75) In C# Managed code is executed under the control of

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

76) The depth at which we can think is influenced by _____

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

77) Readability has no influence on the cost of _____

- testing
- deployment
- debugging
- coding

78) _____ has distributed computing architecture

- PASCAL
- LISP
- C
- CORBA

79) Language with wide domain of application has higher _____

- Portability
- Generality
- Reliability
- Cost

80) In Java we can make pointer of _____.

- Any type
- Reference type only

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

- C++ rectangular Array
- Java Array of Array

82) In _____ Boolean expression is convertible into integer type

- C#
- C++
- JAVA
- Ada

83) _____ 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

84) For narrowing conversion which type conversion is appropriate?

- Implicit Conversion
- Explicit Conversion

85) For narrowing conversion which type conversion is appropriate?

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

86) C# and C++ have _____ size.

- Same
- Different
- Distinct
- None of the given

87) C# code when compiled is converted into _____ code.

- MSIL
- MISL

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

- Struct in C#,
- Struct in C++
- Abstract class in C#

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➤ None of the given

89) Dynamic binding occurs at:

- Compile Time
- Design Time
- Link Time
- Run Time

90) Prolog language falls under the domain Of

- Scientific Applications
- Business Applications
- Special Purpose Languages
- None of these

91) For Recursion it is necessary that a language

- Dynamic
- Static
- Both dynamic and static
- Stack

92) Two important versions of LISP are _____

- Scheme and Atoms
- Scheme and Common Lisp
- Common Lisp and defacto
- List and Common Lisp

93) COBOL was the first language that brings the concept of _____

- Records
- Structure
- Object
- Variable

94) Ada pointers are called Access types.

- True
- False

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

- String
- Operator

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➤ Variable

96) A language is reliable if it does not create ----- during execution.

➤ Error

➤ Result

97) C++ support only ----- mode operator passing

➤ In/out

➤ union

98) Concept of package in java is similar to -----

➤ C++

➤ C++ and c#

99) ----- has also non-rectangular type of array

➤ C

➤ Java

C

C and C++

121. The syntax of PHP foreach loop is similar to ----- loop.

- C++ foreach
- C# foreach
- Java foreach
- C++ for

122. With programming in ----- we state what and not how.

- Prolog. P#92
- Algol
- C#
- Fortran

123. When the type is fixed before run time then this is called as-----

- Load time binding
- Static binding

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- Dynamic binding
- None of the given

124. A programming language is ----- typed if type error are ----- detected.

- Weakly, Always
- Always, weakly
- Strongly, often
- Strongly, always. P#171

125. All objects in java are -----

- Explicit heap dynamic
- Dynamic storage binding
- Stack dynamic storage binding
- Static storage binding

126. ----- usually a logical grouping of heterogeneous elements.

- Array is
- Record is. P#176
- Structure is
- Both Structure and Record are

127. In java the arithmetic expression evaluation order is always from -----

- Center to right
- Right to Left
- Center to left
- Left to right

128. A control structure is a ----- and the statement whose execution it controls.

Control algorithm

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- Control statement. P#185
- Control keyword
- None of the given

129. In ----- control statements were based directly on IBM 704 hardware.

- Ada
- FORTRAN I p#185
- FORTRAN 77
- IBM Assembly language

130. We cannot pass array in ----- by value as it has no fix size. But it has fixed size in structure. C#

- Java
- C++
- C

131. ----- is a language for symbolic computation and its syntax is based on lambda calculus.

- ALGOL
- MATLAB
- C
- LISP p# 27

132. Ada is a ----- typed language.

- Weakly
- Random
- Strongly. P#48
- List

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

- SNOBOL
- ALGOL
- Plankal Koll
- **Ada**

134. A language is reliable if during execution it does not create -----

- Result
- **Error**
- Bytecode
- Malfunction

135. ----- is not a valid Prolog atom.

- This _ is _ it
- Mary, _c1
- **'Hello'**
- F

136. ----- generates readable code which is easy to maintain.

- Clauses
- **Backtracking. P#97**
- Inference mechanism
- Facts

137. In C#, value type objects use memory of ----- data structure.

- List
- Tree
- Stack
- **Heap**

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138.----- is an 8-byte integer.

- Short
- Long
- Byte
- Char

139. Simple data structure and large floating point operations are linked to -----

- Artificial intelligence language domain
- Parallel programming domain
- Scientific application programming domain
- System programming domain

140. Each source file in ----- has a public class.

- C++
- C#
- Java p#98
- None of the given

141. There is no autonomic type conversion in -----

- C
- Both java and C++
- Java
- C++

142. Every class in java is part of some -----

- Subclass
- Method
- Package p#107
- Object

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143. Automatic garbage collection in java prevents -----

- Multithreading
- Exception handling
- Indirect referencing
- **Dangling pointer p#117**

144. Value types in C# are inherited from -----

- Java primitive type
- **Object**
- Reference
- None of the given

146. PHP supported all major Databases including -----

- None of the given
- ODBC
- **ORACLE**
- SQL Server

147. In ----- the Break statement may have the optional parameter or argument.

- C/C++
- Java
- PHP
- **Java Script**

148. Classes and objects of PHP are similar to -----

- Classes and objects of C++
- **Classes and objects of java**
- Classes and objects of C

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- Classes and objects of Basic

149. ----- operator in Prolog is used for List construction and also for List dismantling.

- |(Vertical Slash). P#90
- !(Sign of exclamation)
- : (Colon)
- None of the given

150. In JavaScript ----- operator is used for concatenation.

- Dot(.)
- Plus(+). P#152
- |
- ^

151. The resultant value of variable 'x' in JavaScript statement `var x = "5"-"2";` will be -----

- 5-2
- 52
- "5"-"2"
- 3

152. The ----- model in JavaScript provides access to the contents of the browser window.

- DOM. P#155
- BOM
- ROM

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- COM

153. In ----- we may specify the range and precision for floating point numbers. C#

- C/C++
- **Ada**
- Both Ada and C#

154. ----- parameters are declared inside a subprogram.

- **Default**
- Actual
- Formal
- Copy

155. eq or equal operator in LISP is used to compare two -----

- Atom symbols
- List symbols
- Non numeric symbols
- **Numeric symbols**

157. Object in JavaScript can be accessed through -----

- Associated array
- **Reference pointer method**
- Reference type
- Both reference pointer method and reference type

158. Shortcut evaluation is not allowed for -----

- Boolean operators
- Relational operators
- **Bitwise operators**

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- Both boolean and relational operators

159. Which one of the following languages is designed for distributed computing architecture?

- CORBA
- FORTRAN
- ADA
- LISP

160. In Ada elementary types are also termed as -----

- User defined types
- Static types
- Built in types
- Public types

161. Study of programming languages helps in increasing the ----- to express programming concepts.

- Capacity. P#5
- Level
- Volume
- Range

162. ----- is the designer of C++ language.

- Bjarne Stroustrup p#15
- James Goslings
- Mike Sheridan
- Patrick Naughton

163. Set membership in Prolog is different from ----- membership.

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- List
- Symbol
- Join
- None of the given

164. ----- support array with built in bounds checking.

- Java
- C++
- C#
- Both java and C# p#118

165. FORTRAN, PL 1 and BASIC language provide -----

- Explicit declaration
- Implicit declaration
- Either implicit and explicit declaration
- None of the given

166. There is no arithmetic expression precedence rule in -----

- PASCAL
- Small talk
- SIMULA
- C/C++

167. C/C++ has both pre-test and post-test version of -----

- Counter controlled loop
- Logically controlled loop
- For loop
- While loop. P#192

168. C++ support only ----- mode parameter passing.

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- OUT
- IN
- Union
- **IN/OUT**

169. java has eliminated the concept of -----

- Classes
- Variables
- **Struck. P#31**
- Arrays

170. In java Explicit conversions are done through -----

- Referencing
- Aliasing
- **Casting. P#104**
- Operator overloaded

171. Prolog database is based upon -----

- Facts
- Facts and queries
- Rules and queries
- **Facts and rules. P#82**

172. A predicate many have ----- or more arguments.

- Three
- **Zero. P#88**
- One
- Two

173. ----- is used as a place holder for a value that is not required.

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- Variable
- Atom
- Constant
- Anonymous variable. P#89

174. In C#, if you don't use new keyword, you must ----- all the values in the struct by hand before you use it.

- Define
- Declare
- Create
- Initialize. P#135

175. Which statement best suited for C programming language?

- String manipulation language
- First language to provide exception handling
- With powerful set of operators but poor type checking p#30
- Introduce the notion of class

176. Which statement is true about SNOBOL?

- Its developers are computer expert
- ITE developers have limited introduction with computer science. P#46
- Is an example of aspect programming languages
- Have many data type

177. In SNOBOL, for entire assignment we use ----- operator in pattern matching statement. \$(dollar)

- (.)Dot
- Unary \$(Dollar)
- Binary space. P#36

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

- Coma (,), OR
- OR, coma(,)
- OR, Dot(.)
- Dot(.), OR

179. In ----- we can make a pointer variable of value type only.

- C++
- C#
- Java
- Both Java and C#

180. ----- exception handling has a finally () block.

- Java
- C++
- C
- Plankal kul

181. Which of the following statement is True if \$a is not identical to \$b in php?

- \$a!=\$b. P#143

- \$a!=\$
- \$a=!\$
- \$a=!\$

182. ----- is the magical thing in Prolog.

- Program partition
- Inference engine

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- List processing
- None of the given

183. In JavaScript navigator is ----- object.

- Built-in
- **Browser. P#155**
- Document
- User defined

184. The concept of package in java is similar to -----

- Global class in C++
- Assembly in C#
- Global class in C#
- **Global Class in both C++ and C# p#130**

185. Array in PHP are not like C/C++ array but they are -----

- Templates
- Records
- **Maps**
- Both Templates and Records

186. “with” statement in JavaScript is an alternative of -----

- While statement
- Union statement
- Single document.write statements
- **Multiple document.write statements. P#161**

187. Sub ranges of integer types are not compatible with -----

- **Integers types**

188. Arrays in JavaScript are ----- based.

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