

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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- 0

189. Unlike C/C++, arrays in PHP are _____.

- Maps
- Templates
- Records
- Both Templates and Records

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

- Numeric value, integer value
- Value type value, numeric value
- Primitive type value, reference type value
- Value type value, reference type value

191. PHP syntax looks like _____.

- ASP syntax
- C/C++ syntax
- Ada syntax
- Both ASP and Ada

192. How many <script> tags can be used in the <head> element?

- Zero
- One
- Two
- Many

193. C# code when compiled is converted into _____ code.

- MSIL
- MISL

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- Bytecode
- machine native code

194. In C#, strings are _____.

- Non-Immutable
- **Immutable**
- Neither Immutable nor Non-Immutable
- Aliasable

196. 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++**

197. In _____ we can mke a pointer variable of value typr only.

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

198. In JavaScript, which of the given provides access to the contents of browser window?

- **DOM**
- BOM
- ROM
- COM

199. A variable in _____ cannot be used unless and until it is not initialized.

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- C++
- C#
- ALGOL
- C

200. In how many places a javascript code can be placed?

- 1
- 2
- 3
- 4

201. Which operator is used for concatenation in JavaScript?

- +
- |
- \$
- dot(.)

202. Classes and objects of PHP are similar to _____.

- Classes and objects of Java
- Classes and objects of C++
- Classes and objects of Basic
- Classes and objects of C

203. Which of the following is not true about delegates?

- Delegates are value type
- Delegates are event based
- Delegates are like C/C++ function pointer
- Delegates are reference type

204. Which of the given statement is True if "\$a" is not identical to "\$b" in php?

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- \$a != \$

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

205. Which of the given operator is used to return a reference from a function in PHP?

- &
- &&
- \$
- Dot

206. 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.

- C++
- Java
- Ada and C++

- C#

207. In C# the value type and reference type variable are inter convertible through _____ concept.

- Tagged type
- Interfaces

- Boxing

- None of the given

209. Java code when compiled is converted into _____ code.

- Bit code
- Byte code

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- Kbytes code
- Giga byte Code

211. In _____ Boolean expression is convertible into integer type.

- C#
- C++
- JAVA
- Ada

212. _____, an object that describes the basic characteristics of the browser, notably its type and version.

- Window
- Document
- Navigator
- Location

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

- Private class, public class
- Sealed class, struct in C#
- struct in C#, Sealed class
- public class, inheritance class

214. To make necessary arguments at run time error is called-----

- Type checking
- Exception handling
- Error handling
- None of the given

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215. In ----- we have to address the client side compatibility issue.

- JavaScript
- VB Script
- PHP
- Perl

216. How to compare and examine language?

- Readability
- Writability
- Reliability
- All of the given options

217. In SNOBOL 2 spaces can be used, the purpose of 1st space is for ----- and 2nd for -----

- Pattern matching, String Concatenation
- String concatenation, Pattern matching
- String concatenation, String concatenation
- Pattern matching, Pattern matching

218. 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

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

- True
- False

220. Value upon successful completion of pattern matching, the substring matched

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by the pattern is assigned to the variable as -----

- Value
- String
- Integer
- Real numbers

221. 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

222. 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

223. We can have nested procedures in ----- language.

- C++
- Ada
- C
- PROLOG

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

- True
- False

225. Too much simplicity in language design can also cause problems.

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- True
- False

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

- Ada
- C
- C++
- LISP

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

228. Block statements in Ada is very different to a block in C.

- True
- False

229. ----- represents the class of languages from functional paradigm.

- LISP
- PROLOG
- Ada
- C++

230. 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

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- There is run time overhead of allocation and de-allocation of memory
- Storage can't be shared among variables

231. 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

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

- ODBC
- ORACLE
- SQL Server
- All of the given options

233. 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.

- C++
- Java
- Ada and C++
- C#

234. ----- is more strongly typed language then -----

- C++, C#
- C#, C++
- C++, Java
- None of the given

235. Enumeration type in C# may take any type of ----- in contrast to C++

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where it take only-----

- **Numeric value, integer value**
- Value type value, numeric value
- Primitive type value, reference type value

236. ----- exception inherit from exception class and ----- exception is anywhere in the program.

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

237. 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++**

238. Which of the following is not true about delegates?

- **Delegates are value type**
- Delegates are event based
- Delegates are like C/C++ function pointer
- Delegates are reference type

239. There are -----“categories” of types in java.

- **Two** **NOTE: primitive type and reference type**
- Three
- Four

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- Five

240. A variable in ----- cannot be used unless and until it is not initialized.

- C++
- C#
- ALGOL
- C

241. Prolog is considered to be as -----

- Case and type insensitive
- Case and type sensitive
- Case sensitive and type insensitive
- Case insensitive and type sensitive

242. In java, out-of-bounds array index is always causes a ----- error.

- Syntax
- Compile time
- Runtime
- Logical

244. In prolog, a “member(X, T)” predicate is used to check the membership of X in -----

- Class
- Symbol
- List
- Both class and symbol

245. ----- cannot be converted to other types in java.

- Booleans
- Char

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- Double
- Int

246. The ----- operator in C# is used to test if the operator is of a certain type.

- “IN”
- “AS”
- **“IS”**
- “OUT”

247. In C# the “If” statement condition is an/a -----

- Arithmetic Expression
- Variable Expression
- Numeric Expression
- **Boolean Expression**

248. In JavaScript, which of the given provides access to the contents of browser windows?

- ROM
- **DOM**
- COM
- BOM

249. Which of the given is used before the declaration of variable in PHP?

- # Sign
- ? Sign
- **\$ Sign**
- @ Sign

250. The “IS” operator in C# is used for runtime -----

- Type conversion

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- Type casting
- Type tagging
- **Type checking**

256. PHP stands for -----

- PHP, Home Page
- PHP, Hypertext page
- **PHP, Hypertext Preprocessor**
- PHP, Home Preprocessor

257. In PHP, if a number is beyond the bounds of the integer type then it will be interpreted as a ----- instead.

- String
- Short
- Long
- **Float**

259. Which of the following is very effective in solving complex puzzles?

- FORTRAN
- **PROLOG**
- ALGOL
- C/C++

260. The program is written in C# compiles to:

- Machine code
- **An intermediate language (IL)**
- Object code
- Source code

260. Concurrency in java is supported through:

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- Resource allocation
- Batch execution
- **Threads**
- Operator Overloading

262. Which of the following are lightweight processes in java?

- **Threads**
- Packages
- Applets
- JVM

263. The methods that allow two threads to cooperate (or synchronize) with each other in a java program are:

- Wait() and run()
- run() and notify()
- **Wait() and notify()**
- sleep() and yield()

264. In how many ways threads can be created in java?

- **Two**
- Many
- Three
- Four

265. C# language is very similar to:

- Prolog
- C-language
- Delphi
- **Java**

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266. Which of the following method is used to implement runnable interface in java?

- Stop Thread()
- Run Thread()
- Stop()
- **Run()**

267. Which of the following method in a java class cannot be changed (overridden) in a subclass?

- Public void display (){-}
- Public static void area (){-}
- Private void radius (){-}
- **Public final void result (){-}**

268. In C#, the name of class and the name of the file in which it is saved.

- Must start with lowercase letter
- Must start with uppercase letter
- Must match up
- **Do not need to match up**

269. PHP supports various data types excepts -----

- Integer
- Array
- Object
- **Char**

270. Which of the given operator is used to return a reference from a function in PHP?

- **&**
- &&

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- \$
- Dot

271. An ----- in PHP is an ordered map.

- **Array**
- Queue
- Stack
- String

272. In ----- the “break” statement may have an optional parameter or argument.

- C/C++
- Java
- **PHP**
- C#

273. In PHP “switch” structure, the ----- starts or implements an implicit loop.

- Break statement
- For loop
- **Continue statement**
- Return statement

274. C# provides the feature of built-in bounds checking of:

- Functions and classes
- Objects and methods
- **Arrays and strings**
- Interfaces and packages

275. Which of the following keywords is used to make a class non-extendable in java?

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- Static
- Private
- Final
- Public

276. In a PROLOG program, the definitions of predicate sentences or phrase are known as:

- Facts
- Clauses
- Declaration
- Inferences

NOTE: Clauses

Clauses are definition(s) of Predicate sentence or phrase.

277. What happens when you don't initialize the fields in the constructor of a java class?

- A compile-time error occurs
- Logical error occurs
- Default values are assigned WICKIPEDIA
- Runtime error occurs

278. Expert system ----- provide a structure to design expert system.

- Techniques
- Shells
- Lists
- Mechanism

279. The inference mechanism of PROLOG is based upon -----

- Forward chaining
- Back tracking

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- Propositional logic
- Recursion

280. What happens when you try to use an out-of bounds array index in JAVA?

- Array size is automatically incremented
- **A runtime error occurs**
- A garbage value is printed
- Nothing happens

281. Which of the following is treated as an atom and not as a List data type in PROLOG?

- [a, t,o,m]
- [a,b,c]
- [a]
- **[]**

282. How many types of arrays are available in C#?

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

283. All java classes (built-in or user-defined) are sub-classes of ----- class.

- Thread
- System
- **Object**
- Throwable

NOTE:

In Java, all classes (built-in or user-defined) are (implicitly) subclasses of the class **Object**.

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284. The scripts written in PHP are executed by:

- Client machine
- Web server
- Web browser
- Java Applet

285. The head and tail of a list in PROLOG is separated by:

- Semicolon (;)
- Comma (,)
- Vertical bar(|)
- Colon (:)

