Virtual University	CS508-Modern Programming Language (Solved Macq's) LECTURE FROM (23 to 45)	VU LMS HELP vulmshelp.com
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1. Which of the following conversion has to be done explicitly by the programmer in C#?
   - Float to int
   - Into to Float
   - Int to long
   - Float of double
2. The dynamically generate a web page which of the following programming language is most suitable?
   - Ada
   - PHP
   - C++
   - Prolog
3. In C#, which of the following is used to give information to .Net compiler that a class is compliant with common language Specification (CLS)?
   - Class variables
   - Class attributes
   - Class definition
   - Class function
4. C# does not support the conversion of _____values to integers.
   - Boolean
   - Character
   - Floating point
   - Decimal
5. Classes and objects of PHP are similar to_____
   - Classes and objects of Basic
   - Classes and Objects of C
   - Classes and Objects of JAVA
   - Classes and Objects of C++
6. Which of the following language is used for server-side scripting?
   - C#
   - ADDA
   - PHP
   - C++
7. Which of the given operator is used to return to reference from a function in PHP?
   - &&
   - $
   - Dot
   - &
8. A variable in_____cannot be used unless and until it is not initialized.
   - ALGOL
   - C
   - C++
   - C#
9. In order to pass a value by reference to a method in C#, which of the following keyword is used with method parameter.
   - Refer
   - New

- Ref
- Explicit

10. The code written in PHP is returned to the web browser as:
    - CSS flexbox
    - Shell Scripts
    - Applets
    - Plain HTML
11. "With" statement in JavaScript is an alternative of_____
    - Multiple document.write statements
    - Single document.write statements
    - Multiple document.read statements
    - Single document.read statements
12. C# support only_____inheritance and it achieve_____inheritance through the concept of interfaces.
    - Multiple,multiple
    - Single,Multiple
    - None of the given
    - Single, Single
13. In the context of C#, 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
14. FORTRAN, PL 1 and BASIC language provide -------- of variables.
    - Explicit declaration
    - Implicit declaration
    - Either implicit and explicit declaration
    - None of the given
15. Which of the given statement is true if "$a" is not equal to "$b" in PHP?
    - $a=! $
    - $a! ==$b
    - $a! =$
    - $a==! $
16. The loop control expression in any loop of C# must be of_____type.
    - Integer
    - Boolean
    - Decimal
    - Float
17. The_____operator in C# is used to test it the operator/expression is of a certain type.
    - 'IN'
    - 'IS'
    - 'AS'
    - 'OUT'

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18. A script written in PHP are executed by:
    - Web browser
    - Client machine
    - Java Applets
    - Web Server
19. In PHP 'Switch' structure the_____starts or implements on implicit loop.
    - Return statement
    - Continue Statement
    - Break Statement
    - For Loop
20. PHP stand for
    - PHP, Home Page
    - PHP, Hypertext page
    - PHP, Hypertext Preprocessor
    - PHP, Home Preprocessor
21. Which of the Following type of number are not supported by PHP
    - Real Number
    - Complex Number
    - Single Integers
    - Unsigned Integer
22. The division of two integers (i.e 7/2) in PHP generates a/an.
    - Floating Point number
    - Integer
    - Exception
    - Runtime error
23. Arrays in JavaScript are_____based
    - Zero index
    - Length
    - Location
    - One index
24. The____model in JavaScript provides access to the contents of the browser windows.
    - COM
    - DOM
    - BOM
    - ROM
25. An_____in PHP is an ordered map.
    - Queue
    - Array
    - Stack
    - String
26. In the context of C#, a class that is defined on the body of another class is called.
    - Protected class
    - Previous Class
    - Public Class
    - Nested Class

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27. If you want to override a method in C# then the override method must not be declared as.
    - Override
    - Static
    - Abstract
    - Virtual
28. In JavaScript, which of the given provides access to context of browser window.
    - DOM
    - ROM
    - COM
    - BOM
29. Which of the given is used before the declaration of variable in PHP?
    - # Sign
    - ? Sign
    - $ Sign
    - @ Sign
30. In how many Places a JavaScript code can be placed.
    - 3
    - 2
    - 4
    - 5
31. The "OUT" keyboard in C# used to pass_____variable by reference to a method.
    - Numeric
    - Static
    - String
    - Un-initialized
32. In_____string and Numeric values are inter convertible.
    - C#
    - JAVA
    - c/C++
    - PHP
33. A/An_____in a default mechanism for Specifying Types of variables.
    - Static Declaration
    - Run Time Declaration
    - Explicit Declaration
    - Implicit Declaration
34. In PHP, if a number is beyond the Bounds of the integer types, then It will be interpreted as a____instead.
    - Long
    - Float
    - Short
    - String
35. If X and Y are integer variables and Z is a Boolean variable then which of the Following Statement cause compilation error in C#?

- If(x=y)
{

    //Some Code

}
- If(x>y)
{

    //Some Code

    }
- If(y>x)
{

    //Some Code

    }
- If(z)
{

    //Some Code

    }

36. A/an_____ is a special word that cannot be used as a user defined name.
    - Reserved Word
    - Flag Word
    - Dummy Word
    - Abstract word
37. _____an object that describes the basic characteristics of the browser, notably its type and version.
    - Navigator
    - Location
    - Document
    - Window
38. Array in PHP are not like C/C++ arrays but they are_____
    - Templates
    - Structure
    - Maps
    - Record
39. Which of the Following Class in C# cannot be inherited from.
    - Inherit class
    - Abstract Class
    - Public class
    - Sealed Class
40. In the content of C#, a class that is defined the body of another class is called.
    - Protected Class
    - Nested Class
    - Private Class

- Public Class

41. In JavaScript navigator is a _____objects.
    - User defined
    - Built-in
    - Browser
    - Document
42. Object-Oriented programming in C# is supported through.
    - Classes
    - Functions
    - Control flow Statements
    - Packages
43. Which operator is used for Concatenation in JavaScript?
    - +
    - Dot(.)
    - |
    - $
44. When the Type is Fixed before run time then this is called as____
    - Dynamic Binding
    - Static Binding
    - Load Time Binding
    - Storage Binding
45. For event driven mechanism in C#, we use____just like____in C++.
    - Delegate,Function pointer
    - Templates,Delegate
    - Event handlers,packages
    - Events Buttons,Packages
    - EventnButtons, Graphics Code
46. In C#, the order of operator evaluation is:
    - From Left to right
    - From Right to Left
    - Arbitrary
    - Not specified

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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 interconvert able 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_____➢ Readably

- ➢ Writeable
- ➢ 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
- ➢ Itel 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 l 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 is 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 runable 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 (:)

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