

Class:12**ONE MARK EXAMINATION-2023-24**

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[Max. Marks : 100]**COMPUTER SCIENCE**

Choose the most appropriate synonyms for the words underlined in the following sentences.

- Who developed Python?
(A) Ritchie (B) Guido Van Rossum (C) Bill Gates (D) Sunder Pitchai
- The Python prompt indicates that Interpreter is ready to accept instruction.
(A) >>> (B) <<< (C) # (D) <<
- Which of the following shortcut is used to create new Python Program?
(A) Ctrl + C (B) Ctrl + F (C) Ctrl + B (D) Ctrl + N
- Which of the following character is used to give comments in Python Program?
(A) # (B) & (C) @ (D) \$
- This symbol is used to print more than one item on a single line.
(A) Semicolon(;) (B) Dollar(\$) (C) comma(,) (D) Colon(:)
- The small sections of code that are used to perform a particular task is called
(A) Subroutines (B) Files (C) Pseudo code (D) Modules
- Which of the following is a distinct syntactic block?
(A) Subroutines (B) Function (C) Definition (D) Modules
- The values which are passed to a function definition are called
(A) Arguments (B) Subroutines (C) Function (D) Definition
- Which of the following defines what an object can do?
(A) Operating System (B) Compiler (C) Interface (D) Interpreter
- The functions which will give exact result when same arguments are passed are called
(A) Impure functions (B) Partial Functions (C) Dynamic Functions (D) Pure functions
- The process of binding a variable name with an object is called
(A) Scope (B) Mapping (C) late binding (D) early binding
- Which of the following is used in programming languages to map the variable and object?
(A) :: (B) := (C) = (D) ==
- Which scope refers to variables defined in current function?
(A) Local Scope (B) Global scope (C) Module scope (D) Function Scope
- Which of the following security technique that regulates who can use resources in a computing environment?
(A) Password (B) Authentication (C) Access control (D) Certification
- The members that are accessible from within the class and are also available to its sub-classes is called
(A) Public members (B) Protected members
(C) Secured members (D) Private members
- Which of the following functions that retrieve information from the data type?
(A) Constructors (B) Selectors (C) recursive (D) Nested
- A sequence of immutable objects is called
(A) Built in (B) List (C) Tuple (D) Derived data
- The data type whose representation is unknown are called
(A) Built in datatype (B) Derived datatype (C) Concrete datatype (D) Abstract datatype
- Bundling two values together into one can be considered as
(A) Pair (B) Triplet (C) single (D) quadrat
- Which of the following is constructed by placing expressions within square brackets?
(A) Tuples (B) Lists (C) Classes (D) quadrats
- The word comes from the name of a Persian mathematician Abu Ja'far Mohammed ibn-i Musa al Khwarizmi is called?
(A) Flowchart (B) Flow (C) Algorithm (D) Syntax
- Two main measures for the efficiency of an algorithm are
(A) Processor and memory (B) Complexity and capacity
(C) Time and space (D) Data and space
- Big O is the reverse of
(A) Big O (B) Big ? (C) Big A (D) Big S
- Binary search is also called as
(A) Linear search (B) Sequential search (C) Random search (D) Half-interval search
- In dynamic programming, the technique of storing the previously calculated values is called ?
(A) Saving value property (B) Storing value property
(C) Memoization (D) Mapping
- Which of the following is not a token?
(A) Interpreter (B) Identifiers (C) Keyword (D) Operators
- Which of the following is not a Keyword in Python?
(A) break (B) while (C) continue (D) operators

28. Which operator is also called as Comparative operator?
 (A) Arithmetic (B) Relational (C) Logical (D) Assignment
29. Which of the following is not logical operator?
 (A) And (B) OR (C) NOT (D) Assignment
30. Which operator is also called as Conditional operator?
 (A) Ternary (B) Relational (C) Logical (D) Assignment
31. How many important control structures are there in Python?
 (A) 3 (B) 4 (C) 5 (D) 6
32. elif can be considered to be abbreviation of
 (A) nested if (B) if..else (C) else if (D) if..elif
33. What plays a vital role in Python programming?
 (A) Statements (B) Control (C) Structure (D) Indentation
34. Which statement is generally used as a placeholder?
 (A) continue (B) break (C) pass (D) goto
35. The condition in the if statement should be in the form of
 (A) Arithmetic or Relational expression (B) Arithmetic or Logical expression
 (C) Relational or Logical expression (D) Arithmetic
36. Which of the following is known as definite loop?
 (A) do..while (B) while (C) for (D) if..elif
37. What is the output of the following snippet?

```
i=1
while True:
    if i%3 ==0:
        break
    print(i,end="")
    i +=1
```

 (A) 12 (B) 123 (C) 1234 (D) 124
38. What is the output of the following snippet?

```
T=1
while T:
    print(True)
    break
```

 (A) False (B) True (C) 0 (D) no output
39. Which amongst is not a jump statement?
 (A) for (B) goto (C) continue (D) break
40. Which punctuation should be used in the blank?

```
if <condition>.....
    statements-block 1
else:
    statements-block 2
```

 (A) ; (B) : (C) :: (D) !
41. A named blocks of code that are designed to do one specific job is called as
 (A) Loop (B) Branching (C) Function (D) Block
42. A Function which calls itself is called as
 (A) Built-in (B) Recursion (C) Lambda (D) return
43. Which function is called anonymous un-named function?
 (A) Lambda (B) Recursion (C) Function (D) define
44. Which of the following keyword is used to begin the function block?
 (A) define (B) for (C) finally (D) def
45. Which of the following keyword is used to exit a function block?
 (A) define (B) return (C) finally (D) def
46. While defining a function which of the following symbol is used.
 (A) ; (semicolon) (B) . (dot) (C) : (colon) (D) \$ (dollar)
47. In which arguments the correct positional order is passed to a function?
 (A) Required (B) Keyword (C) Default (D) Variable-length
48. Read the following statement and choose the correct statement(s).
 (I) In Python, you don't have to mention the specific data types while defining function.
 (II) Python keywords can be used as function name.
 (A) I is correct and II is wrong (B) Both are correct
 (C) I is wrong and II is correct (D) Both are wrong
49. Pick the correct one to execute the given statement successfully.

```
if ____ : print(x, " is a leap year")
```

 (A) x%2==0 (B) x%4==0 (C) x/4=0 (D) x%4=0
50. Which of the following keyword is used to define the function testpython()?
 (A) define (B) pass (C) def (D) while

51. Which of the following is the output of the following python code?
`str1="TamilNadu"`
`print(str1[::-1])`
 (A) Tamilnadu (B) Tmlau (C) udanlimaT (D) udaNlimaT
52. What will be the output of the following code?
`str1 = "Chennai Schools"`
`str1[7] = "-"`
 (A) Chennai-Schools (B) Chenna-School (C) Type error (D) Chennai
53. Which of the following operator is used for concatenation?
 (A) + (B) & (C) * (D) =
54. Defining strings within triple quotes allows creating:
 (A) Single line Strings (B) Multiline Strings (C) Double line Strings (D) Multiple Strings
55. Strings in python:
 (A) Changeable (B) Mutable (C) Immutable (D) flexible
56. Which of the following is the slicing operator?
 (A) { } (B) [] (C) < > (D) ()
57. What is stride?
 (A) index value of slide operation (B) first argument of slice operation
 (C) second argument of slice operation (D) third argument of slice operation
58. Which of the following formatting character is used to print exponential notation in upper case?
 (A) %e (B) %E (C) %g (D) %n
59. Which of the following is used as placeholders or replacement fields which get replaced along with `format()` function?
 (A) { } (B) < > (C) ++ (D) ^
60. The subscript of a string may be:
 (A) Positive (B) Negative (C) Both (a) and (b) (D) Either (a) or (b)
61. Pick odd one in connection with collection data type
 (A) List (B) Tuple (C) Dictionary (D) Loop
62. Let `list1=[2,4,6,8,10]`, then `print(List1[-2])` will result in
 (A) 10 (B) 8 (C) 4 (D) 6
63. Which of the following function is used to count the number of elements in a list?
 (A) `count()` (B) `find()` (C) `len()` (D) `index()`
64. If `List=[10,20,30,40,50]` then `List[2]=35` will result
 (A) `[35,10,20,30,40,50]` (B) `[10,20,30,40,50,35]`
 (C) `[10,20,35,40,50]` (D) `[10,35,30,40,50]`
65. If `List=[17,23,41,10]` then `List.append(32)` will result
 (A) `[32,17,23,41,10]` (B) `[17,23,41,10,32]` (C) `[10,17,23,32,41]` (D) `[41,32,23,17,10]`
66. Which of the following Python function can be used to add more than one element within an existing list?
 (A) `append()` (B) `append_more()` (C) `extend()` (D) `more()`
67. What will be the result of the following Python code?
`S=[x**2 for x in range(5)]`
`print(S)`
 (A) `[0,1,2,4,5]` (B) `[0,1,4,9,16]` (C) `[0,1,4,9,16,25]` (D) `[1,4,9,16,25]`
68. What is the use of `type()` function in python?
 (A) To create a Tuple (B) To know the type of an element in tuple
 (C) To know the data type of python object (D) To create a list
69. Which of the following statement is not correct?
 (A) A list is mutable (B) A tuple is immutable.
 (C) The `append()` function is used to add an element.
 (D) The `extend()` function is used in tuple to add elements in a list.
70. Let `setA={3,6,9}`, `setB={1,3,9}`. What will be the result of the following snippet?
`print(setA|setB)`
 (A) `{3,6,9,1,3,9}` (B) `{3,9}` (C) `{1}` (D) `{1,3,6,9}`
71. Which of the following method is automatically executed when an object is created?
 (A) `__object__()` (B) `__del__()` (C) `__func__()` (D) `__init__()`
72. Which of the following method is used as destructor?
 (A) `__init__()` (B) `__dest__()` (C) `__rem__()` (D) `__del__()`
73. Which of the following class declaration is correct?
 (A) `class class_name` (B) `class class_name<>`
 (C) `class class_name:` (D) `class class_name[]`
74. Which of the following is the output of the following program?
`class Student:`
`def __init__(self, name):`
`self.name=name`
`print(name)`
`S=Student("Tamil")`
 (A) Error (B) Tamil (C) name (D) self

75. What is the acronym of DBMS?
 (A) DataBase Management Symbol (B) Database Managing System
 (C) DataBase Management System (D) DataBasic Management System
76. A table is known as
 (A) tuple (B) attribute (C) relation (D) entity
77. Which database model represents parent-child relationship?
 (A) Relational (B) Network (C) Hierarchical (D) Object
78. Who is called Father of Relational Database from the following?
 (A) Chris Date (B) Hugh Darween (C) Edgar Frank Codd (D) Edgar Frank Cadd
79. What symbol is used for SELECT statement?
 (A) s (B) ? (C) X (D) O
80. Which commands provide definitions for creating table structure, deleting relations, and modifying relation schemas?
 (A) DDL (B) DML (C) DCL (D) DQL
81. Which command lets to change the structure of the table?
 (A) SELECT (B) ORDER BY (C) MODIFY (D) ALTER
82. The command to delete a table including the structure is
 (A) DROP (B) DELETE (C) DELETE ALL (D) ALTER TABLE
83. Queries can be generated using
 (A) SELECT (B) ORDER BY (C) MODIFY (D) ALTER
84. The clause used to sort data in a database
 (A) SORT BY (B) ORDER BY (C) GROUP BY (D) SELECT
85. A CSV file is also known as a
 (A) Flat File (B) 3D File (C) String File (D) Random File
86. The expansion of CRLF is
 (A) Control Return and Line Feed (B) Carriage Return and Form Feed
 (C) Control Router and Line Feed (D) Carriage Return and Line Feed 7
87. Which of the following mode is used when dealing with non-text files like image or exe files?
 (A) Text mode (B) Binary mode (C) xls mode (D) csv mode
88. The command used to skip a row in a CSV file is
 (A) next() (B) skip() (C) omit() (D) bounce()
89. Making some changes in the data of the existing file or adding more data is called
 (A) Editing (B) Appending (C) Modification (D) Alteration
90. Which of the following is not a scripting language?
 (A) JavaScript (B) PHP (C) Perl (D) HTML
91. Importing C++ program in a Python program is called
 (A) wrapping (B) Downloading (C) Interconnecting (D) Parsing
92. The module which allows you to interface with the Windows operating system is
 (A) OS module (B) sys module (C) csv module (D) getopt module
93. SQLite falls under which database system?
 (A) Flat file database system (B) Relational Database system
 (C) Hierarchical database system (D) Object oriented Database system
94. Any changes made in the values of the record should be saved by the command
 (A) Save (B) Save As (C) Commit (D) Oblige
95. Which of the following executes the SQL command to perform some action?
 (A) Execute() (B) Key() (C) Cursor() (D) run()
96. The function that returns the largest value of the selected column is
 (A) MAX() (B) LARGE() (C) HIGH() (D) MAXIMUM()
97. Which of the following clause avoid the duplicate?
 (A) Distinct (B) Remove (C) Where (D) GroupBy
98. Identify the package manager for Python packages, or modules.
 (A) Matplotlib (B) PIP (C) plt.show() (D) python package
99. Which of the following module should be imported to visualize data and information in Python?
 (A) csv (B) getopt (C) mysql (D) matplotlib
100. is a type of chart which displays information as a series of data points connected by straight line segments.
 (A) csv (B) Pie chart (C) Bar chart (D) All the above