QB365 Student Learing Managemnet System
Exam Name: Pre Quarterly - Practice
Std: 12th Standard - Computer Science
Chapter: Unit 1 - Function - New, Unit 1 - Scoping - New, Unit 2 - Python - Variables and Operators - New, Unit 2 - Python Functions - New, Unit 3 - Lists, Tuples, Sets and Dictionary - New, Unit 4 - Structured Query Language (SQL) - New, Unit 4 - Importing C+ + programs in Python - New, Unit 5 - Data visualization using pyplot : line chart, pie chart and bar chart - New

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Questions:

Choose the correct answer

1. Which of the following is a distinct syntactic block?
   (a) Subroutines (b) Function (c) Definition (d) Modules
2. The values which are passed to a function definition are called
   (a) Arguments (b) Subroutines (c) Function (d) Definition
3. Which of the following defines what an object can do?
   (a) Operating System (b) Compiler (c) Interface (d) Interpreter
4. The functions which cause side effects to the arguments passed are called
   (a) Impure function (b) Partial function (c) Dynamic Functions (d) Pure functions
5. Which is the basic building block of computer programs?
   (a) Argument (b) Parameter (c) Subroutine (d) Interface
6. What must be used when a bulk of statements to be repeated for many number of times?
   (a) Algorithm (b) Program (c) Subroutines (d) Parameters
7. The recursive function is defined using the keyword
   (a) let (b) let rec (c) name (d) infer
8. Which scope refers to variables defined in current function?
   (a) Local Scope (b) Global scope (c) Module scope (d) Function Scope
9. Which of the following members of a class can be handled only from within the class?
   (a) Public members (b) Protected members (c) Secured members (d) Private members
10. Which members are accessible from outside the class?
    (a) Public members (b) Protected members (c) Secured members (d) Private members
11. The members that are accessible from within the class and are also available to its sub-classes is called
    (a) Public members (b) Protecied members (c) Secured members (d) Private members
12. Who developed Python?
    (a) Ritche (b) Guido Van Rossum (c) Bill Gates (d) Sunder Pitchai
13. The example of modules are
    (a) Procedures (b) Subroutines (c) Functions (d) All of these
14. This symbol is used to print more than one item on a single line.
    (a) Semicolon (;) (b) Dollor ($) (c) Comma (,) (d) Colon (:)
15. Which operator is also called as Comparative operator?
    (a) Arithmetic (b) Relational (c) Logical (d) Assignment
16. A Function which calls itself is called as
    (a) Built-in (b) Recursion (c) Lambda (d) return
17. Which function is called anonymous n-named function?
    (a) Lambda (b) Recursion (c) Function (d) define
18. 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
19. Which of the following keyword is used to define the function test python():?
    (a) define (b) pass (c) def (d) while
20. Which mode displays the python code result immediately?
    (a) Compiler (b) Interactive (c) Script (d) Program
21. What is the output for the following m= 25 if 24< 25 else 50
    (a) 25 (b) 50 (c) 24<25 (d) 0
22. Which of the following date includes decimal point?
    (a) Character (b) String (c) Boolean (d) Floating point
23. What will be the output if the return has no argument?
    (a) No (b) Return (c) None (d) End
24. Pick odd one in connection with collection data type
    (a) List (b) Tuple (c) Dictionary (d) Loop
25. 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]
26. 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()
27. Let set A={3,6,9}, set B={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}

28. How many elements are in the list given below?
My List=[78, 91, 34, [32, 61, 85], 65]
(a) 3 (b) 4 (c) 5 (d) 7

29. Which commands provide definitions for creating table structure, deleting relations, and modifying relation schemas.
(a) DDL (b) DML (c) DCL (d) DQL

30. Which command lets to change the structure of the table?
(a) SELECT (b) ORDER BY (c) MODIFY (d) ALTER

31. Queries can be generated using
(a) SELECT (b) ORDER BY (c) MODIFY (d) ALTER

32. The clause used to sort data in a database
(a) SORT BY (b) ORDER BY (c) GROUP BY (d) SELECT

33. The statement in SQL is used to retrieve data from a table in a database:
(a) SELECT (b) CREATE (c) DISTINCT (d) ORDER BY

34. Which function is used to convert the result of range ( ) function in to list?
(a) convert () (b) range () (c) list () (d) listrange ()

35. Which of the following function returns the number of similar elements present in the list?
(a) element () (b) count () (c) return () (d) find ()

36. Which of the following SQL DDL Command that delete tables from database?
(a) Drop (b) Delete (c) Truncate (d) Rollback

37. Defined multiple constraints are separated by
(a) comma (b) space (c) semicolon (d) colon

38. The expansion of API is
(a) Application Programming Interpreter (b) Application Programming Interface (c) Application Performing Interface (d) Application Programming Interlink

39. A framework for interfacing Python and C++ is
(a) Ctypes (b) SWIG (c) Cython (d) Boost

40. Which of the following is a software design technique to split your code into separate parts?
(a) Object oriented Programming (b) Modular programming (c) Low Level Programming (d) Procedure oriented Programming

41. Which of the following can be used for processing text, numbers, images, and scientific data?
(a) HTML (b) C (c) C++ (d) PYTHON

42. Which of the following module should be imported to visualize data and information in Python?
(a) csv (b) getopt (c) mysql (d) matplotlib

43. _____ is a type of chart which displays information as a series of data points connected by straight line segments.
(a) csv (b) Piechart (c) Barchart (d) All the above (e) Line Chart or Line Graph

44. Identify the right type of chart using the following hints.
Hint l: This chart is often used to visualize a trend in data over intervals of time.
Hint 2:The line in this type of chart is often drawn chronologically.
(a) Line chart (b) Bar chart (c) Pie chart (d) Scatter plot

45. In the command python <filename.py> - i <C++filename> where i denotes.
(a) Information (b) Input mode (c) ios (d) Interpreter

46. Which of the following is an array holding the command line arguments of the program?
(a) g++ (b) argv (c) Opts (d) Getopt

47. Getopt () method returns values are started in
(a) Opts (b) Args (c) Sys (d) a and b

48. Which of following is not a visualization under matplotlib?
(a) Scatter plot (b) Table plot (c) Histogram (d) Box plot

49. Which refers to a graphical representation that displays data by way of bars to show the frequency of numerical data?
(a) Bar chart (b) Barch graph (c) Pie chart (d) Histogram

50. Which of the following chart represents the frequency distribution of continuous variables?
(a) Histogram (b) Pie (c) Line (d) Bar

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