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. Which of the following are mandatory to write the type annotations in the function definition?
   (a) {} (b) () (c) [] (d) <>
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. 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
6. Which of the following contains a set a code that works an many kinds of input and produces a concrete output?
   (a) Function (b) Algorithm (c) Arguments (d) Language
7. Which of the following is a description of all functions in object oriented programming language?
   (a) Implementation (b) parameter (c) Interface (d) Arugument
8. The process of binding a variable name with an object is called
   (a) Scope (b) Mapping (c) late binding (d) early binding
9. 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
10. Which members are accessible from outside the class?
    (a) Public members (b) Protected members (c) Secured members (d) Private members
11. Which of the following is not a variable scope?
    (a) Global (b) Enclosed (c) List (d) Built-in
12. Which of the following character is used to give comments in Python Program?
    (a) # (b) & (c) @ (d) $
13. Which of the following keywords are not used to control the access to class members?
    (a) Public (b) Protected (c) Public (d) Global
14. Which of the following is not a Keyword in Python?
    (a) break (b) while (c) continue (d) operators
15. Which of the following is not Logical operator?
    (a) and (b) or (c) not (d) Assignment
16. A named blocks of code that are designed to do one specific job is called as
    (a) Loop (b) Branching (c) Function (d) Block
17. Which function is called anonymous n-named function?
    (a) Lambda (b) Recursion (c) Function (d) define
18. While defining a function which of the following symbol is used.
    (a) ; (semicolon) (b) . (dot) (c) : (colon) (d) $ (dollar
19. A sequence of elementary lexical components of Python statement is known as
    (a) Keywords (b) Tokens (c) Delimiters (d) Literals
20. In Python, the delimiters are not used in
    (a) Expressions (b) functions (c) dictioncuries (d) strings
21. Which literal are immutable?
    (a) Integer (b) Float (c) Complex (d) All of these
22. The _____ statement causes your function to exit and returns a value to its caller.
    (a) for (b) def (c) return (d) define
23. Write the output for the following code:
```
c=1
def add():
c=c+ 3
print (c)
add()
```
    (a) 1 (b) 4 (c) 3 (d) error
24. 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]
25. 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

26. Which of the following set operation includes all the elements that are in two sets but not the one that are common to two sets?
(a) Symmetric difference (b) Difference (c) Intersection (d) Union

27. The keys in Python, dictionary is specified by
(a) = (b) ; (c) + (d) :

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

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

30. The command to delete a table including the structure is
(a) DROP (b) DELETE (c) DELETE ALL (d) ALTER TABLE

31. In li = [10, 23, 41, 75], the negative index value of 41 is
(a) 2 (b) -1 (c) -2 (d) -3

32. Which of the following is used to delete known elements where the index value is known?
(a) del (b) delete (c) remove () (d) del ()

33. Using sort (), the default sorting is
(a) ascending (b) descending (c) no sorting (d) criteria sorting

34. SQL originally called as
(a) DBMS (b) RDBMS (c) SQL (d) SQLITE

35. Which of the following is not a RDBMS package?
(a) Oracle (b) Foxpro (c) DBbase (d) MySQL (e) b and c

36. Which of the following is not a SQL TCL command?
(a) Commit (b) Roll back (c) Revoke (d) Save point

37. Which of the following keyword not used in ALTER command?
(a) ADD (b) MODIFY (c) SET (d) DROP COLUMN

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

39. getopt() will return an empty array if there is no error in splitting strings to
(a) argv variable (b) opt variable (c) args variable (d) ifile variable

40. Identify the function call statement in the following snippet.
```
if__name_=='main__':
main(sys.argv[1:])
```
(a) main(sys.argv[1:]) (b) __name__ (c) __main__ (d) argv

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. A programming language requires
(a) compiler (b) Interpreter (c) Modules (d) Scripts

43. How many ways are there to create python interface?
(a) 4 (b) 3 (c) 5 (d) Many

44. SWIG expansion is
(a) Simplified Wrapper Interface Generator (b) Software Wrapper Information Generator (c) Simplified Wrapper Interface Generator (d) System Wrapper Interface Generator

45. Which is a python package used for 2D charts?
(a) matplotlib.pyplot (b) matplotlib.pip (c) matplotlib.numpy (d) matplolib.plt

46. _____ 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

47. 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

48. Which of the following matplotlib function is used to draw line chart?
(a) pie() (b) line() (c) bar() (d) plot()

49. To make a bar chart with Matplotlib, which function should be used?
(a) plt.bar() (b) plt.chart() (c) pip.bar() (d) pip.chart()

50. The different kinds of plot created using
(a) Matplotlib (b) Matplot (c) Plotlib (d) Matliplot

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QUESTION BANK 365