



Standard 12
COMPUTER SCIENCE
PART - I

Time: 3.00 Hrs.

Marks: 70

15 x 1 = 15

I Answer all the questions

1. The variables in the function definition are called as
a) Subroutines b) Function c) Definition d) Parameters
2. A sequence of immutable objects is called
a) Built in b) List c) Tuple d) Derived data
3. Which members are accessible from outside the class?
a) Public members b) protected members c) Secured members d) Private members
4. In dynamic programming the technique of storing the previously calculated value is
a) Saving value property b) Storing value property
b) Memoization d) mapping
5. Which of the following is not a token?
a) Interpreter b) Identifier c) Keyword d) Operators
6. Which statement is generally used as a placeholder?
a) Continue b) break c) pass d) goto
7. The keyword is used to begin the function block.
a) define b) for c) final d) def
8. Strings in Python
a) Changeable b) Mutable c) Immutable d) flexible
9. The keys in Python dictionary is specified by
a) Equal (=) b) semicolon (;) c) plus (+) d) Colon (:)
10. Which of the following is the private class variable?
a) __num b) ##num c) \$\$num d) &&num
11. A tuple is also known as
a) Table b) row c) attribute d) field
12. Which command lets to change the structure of the table
a) SELECT b) ORDER BY c) MODIFY d) ALTER
13. The command used to skip a row in a CSV file is
a) next() b) skip() c) omit() d) bounce()
14. Importing C++ program in a Python program is called
a) Wrapping b) Downloading c) Interconnecting d) Parsing
15. Which of the following executes the SQL command to perform some action
a) Execute() b) key() c) cursor() d) run()

PART - II**II Answer any 6 questions and question no.24 is compulsory**

6 x 2 = 12

16. Define function with respect to programming language
17. What do you mean by Namespaces?
18. What is a Literal? Explain the types of Literals.

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19. Write the basic rules for global keyword in Python
20. Differentiate del with remove() function of list
21. What is the difference between Hierarchical and network data model?
22. What is CSV file?
23. Mention the users who uses the Database?
24. What is the use of modules?

PART –III

III Answer any 6 questions and question no. 27 is compulsory 6 x 3 =18

25. Differentiate Concrete data type and abstract data type
26. Write a note on Asymptotic notation
27. Using if ...else...elif statement write a suitable program to display largest of 3 numbers.
28. Write a note about count() function in Python
29. How to define Constructor and Destructor in Python?
30. What is a constraint? Write short note on Primary key constraint.
31. What are the applications of scripting language?
32. Write any three uses of data visualization.
33. Explain Cartesian Product with a suitable example

PART –IV

IV Answer all the questions

5 x 5 =25

34. How will you facilitate data abstraction? Explain it with suitable example
(or)
Explain the types of scope of variables or LEGB rule with example
35. Explain the bubble sort algorithm with example
(or)
Explain input() and print() functions with examples
36. Write a python program to display Fibonacci series 0,1,1,2,3,5,.....(up to n terms)
(or)
Explain the following built in functions:
a) id() b) chr() c) round() d) type() e) pow()
37. What is nested tuple? Explain with an example
(or)
Explain the different types of data model
38. Tabulate the different modes in CSV file with its meaning.
(or)
Explain the purpose of the following functions.
a) plt.xlabel b) plt.ylabel c) plt.title d) plt.legend() e) plt.show()

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