D. Karthic PG Assistant

COMMON SECOND REVISION TEST – 2023

Standard XII

Reg.No. : ☐☐☐☐☐☐

COMPUTER SCIENCE

Part - I

Time: 3.00 hrs.

Marks: 70

I. Choose the correct answer:

15 x 1 = 15

1. Which of the following defines what an object can do ?
   a) Operating System b) Compiler   c) Interface   d) Interpreter

2. Which of the following allow to name various parts of a multi-item-object ?
   a) tuples   b) lists   c) classes   d) quadrats

3. Containers for mapping names of variable to objects is called
   a) scope   b) mapping   c) binding   d) namespaces

4. Which of the following is not a stable sorting algorithm ?
   a) insertion sort   b) selection sort   c) bubble sort   d) merge sort

5. Which of the following is not a Keyword in Python ?
   a) break   b) while   c) continue   d) operators

6. While defining a function which of the following symbol is used ?
   a) ; (semi colon)   b) . (dot)   c) : (colon)   d) $ (dollar)

7. Which of the following is the Slicing operator ?
   a) { }   b) [ ]   c) < >   d) ( )

8. Let set A = {3,6,9}, set B = {1,3,9} what will be the result of the following snipped
   print (set A | set B)
   a) {3,6,9,1,3,9}   b) {3,9}   c) {1}   d) {1,3,6,9}

9. Which of the following is the private class variable ?
   a) __num   b) ##num   c) $$num   d) &&num

10. Who developed ER model ?
    a) Chen   b) EFCodd   c) Chend   d) Chand

11. Queries can be generated using
    a) select   b) order by   c) modify   d) alter

12. Which of the following mode is used when dealing with non text files like images or exe files?
    a) text mode   b) binary mode   c) xls mode   d) csv mode

13. What does __ name __ contains?
    a) C++ file name   b) main( ) name
    c) python filename   d) OS module name

14. Any changes made in the values of the record should be saved by the command
    a) Save   b) Save As   c) Commit   d) Oblique

15. Which key is used to run the module ?
    a) F6   b) F4   c) F3   d) F5

Part - II

II. Answer any 6 questions. (Q.No.24 is compulsory)

6 x 2 = 12

16. Differentiate interface and implementation.

17. What is scope ?

18. What is Pair ? Give an example.
19. Write a note on break statement.
20. What is set in Python ?
21. Differentiate unique constraint and primary key constraint.
22. What is csv file ?
23. List the general types of data visualisation.
24. What is list in Python ?

Part - III

III. **Answer any 6 questions. (Q.No.33 is compulsory)**   6 x 3 = 18

25. Write the syntax of while loop.
26. Define local scope with an example.
27. List the characteristics of an algorithm.
28. What is sys.argv ?
29. Mention the difference between fetchone( ) and fetchmany( ).
30. Differentiate Python and C++.
31. Write any three uses of data visualization ?
32. What are class members ? How do you define it ?
33. Write a SQL statement to modify the student table structure by adding a new field.

Part - IV

IV. **Answer all the questions.**   5 x 5 = 25

34. a)   What is binary search ? Discuss with example.
                        (OR)
    b)   Discuss in detail about Tokens in Python.
35. a)   Write a detail note on for loop.
                        (OR)
    b)   What is nested Tuple ? Explain with an example.
36. a)   Explain the differenty types of function with an example.
                        (OR)
    b)   Explain the characteristics of DBMS.
37. a)   Differentiate Excel file and csv file.
                        (OR)
    b)   Explain the different set operations supported by Python with an example.
38. a)   Explain about SQLite and the steps to be used.
                        (OR)
    b)   Explain each word of the following command.
         Python <filename.py> – <i> <C++ filename without cpp extension>

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