

Class : 12

Number

FIRST REVISION EXAMINATION- JANUARY - 2025

COMPUTER SCIENCE

[Max. Marks : 70]

Time Allowed : 3.00 Hours]

PART - I

15X1=15

Note : i) All the questions.

ii) Choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer.

1. Which of the following is a compound structure
a) pair b) Triplet c) single d) quadrat
2. Which members are accessible from outside
a) Public members b) Protected members
c) Secured members d) Private members
3. The Teeta notation is asymptotic evaluation represents
a) Base case b) Average case c) Worst case d) Null case
4. In Which of the following is not logical operator
a) And b) OR c) Not d) Assignment
5. Which amongst is not jump statement
a) for b) break c) continue d) goto
6. Which key word used to begin the function block
a) define b) for c) finally d) def
7. Which of the following is sillicing operator
a) {} b) [] c) () d) <>
8. A Private class member is prefixed with
a) _ b) & c) ## d) **
9. Who developed ER model
a) Chen b) EF CODD c) Chend d) Chand
10. Wueries can be generated by using
a) SELECT b) ORDER BY c) MODIFY d) ALTER
11. A CSV file is also known as a
a) Flat file b) 3D FILE c) String File d) Random File
12. The module which allows you to interface with the Windows OS
a) OS module b) sys module c) csv module d) getopt module
13. Any changes made in the values of the record should be saved by
a) Save b) 3Save as c) COMMIT d) OBLIGE
14. Which of the following clause avoid the duplicate?
a) Distinct b) Remove c) Where d) Group By
15. Which is apython package used for 2D graphics

PART - II

6x2=12

II. Answer any 6 Questions. Q.NO : 23 is compulsory.

16. What is ADT? (5)
17. Write short notes on TOKENS (5)
18. What are the advantages of the function (12)
19. How will you delete string in python (2)
20. What is the difference between SQL and MYSQL (12)
21. What is CSV file (12)
22. What is the difference between Scripting language and other programming languages (14)
23. What is the advantage of declaring a column as "INTEGER PRIMARY KEY" (15)
24. How will you install matplotlib (16)

PART - III

6x3=18

III. Answer any 6 Questions. Q.NO : 29 is compulsory.

25. Why strlen is called pure function (1)
26. What are the different ways to access the elements of a list. Give example (2)
27. What are the assignment operators used in python (5)
28. List the differences between break and continue statements (6)
29. Write a program to display

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30. What are the advantages of Tuples over list (10) out
31. Write a note on different DBMS users (11)
32. Differentiate PYTHON and C++ (14)
33. Write any three uses of data visualisation (16)

PART - IV

IV. Answer all the Question with internal choice.

5x5=25

34. a) Explain LEGB Rule. (3) (OR)
- b) Write detail note on Binary Search algorithm. (14)
35. a) Explain various control structure in Python. (16) out (OR)
- b) Explain String Operators in Phthon. (8)
36. Explain different set operations supported by python with suitable example (19) (OR)
- b) Explain various data models in DBMS (11)
37. a) Dofferemtoate CSV Files and EXCEL files. (13) (OR)
- b) Write a SQL statement to create a table for employee having any five fields and create a table constraint for the employee table (14)
38. a) Explain each word in the following command (14) (OR)
- Python < filename.py> -<i> < C++ filename without cpp extension>
- b) Explain in detail the types of pyplots using Matplotlib (16)

V/12/CS/2