

**XII-COMPUTER SCIENCE -2025-FULL PORTION – E/M .****SIR. CV. RAMAN COACHING CENTRE – IDAPPADI,SALEM-637101****XII- COMPUTER SCIENCE CENTUM QUESTION PAPER -2025****PUBLIC MODEL QUESTION PAPER -2025****PREPARED BY Dr .G.THIRUMOORTHI,M.Sc,B.Ed,Ph.D ,PHYSICS****[thiruphysics1994@gmail.com](mailto:thiruphysics1994@gmail.com), 8610560810, 8883610465****TOTAL MARK 70 M****TIME: 3 HRS****SECTION – A ( 15 x 1= 15 m)****Choose the correct best answer :**

1. Which of the following functions that retrieve information from the data type?  
(A) Constructors (B) Selectors (C) recursive (D) Nested
2. Which of the following is constructed by placing expressions within square brackets?  
(A) Tuples (B) Lists (C) Classes (D) quadrats
3. Which of the following refers to the visibility of variables in one part of a program to another part of the same program  
(A) Scope (B) Memory (C) Address (D) Accessibility
4. Which of the following is used to describe the worst case of an algorithm?  
(A) Big A (B) Big S (C) Big W (D) Big O
5. Who developed Python ?  
A) Ritche B) Guido Van Rossum C) Bill Gates D) Sunder Pitchai
6. Which of the following is not a token ?  
A) Interpreter B) Identifiers C) Keyword D) Operators
7. Which operator is also called as Comparative operator?  
A) Arithmetic B) Relational C) Logical D) Assignment
8. How many important control structures are there in Python?  
A) 3 B) 4 C) 5 D) 6
9. Which amongst this is not a jump statement ?  
A) for B) pass C) continue D) break
10. Which of the following keyword is used to exit a function block?  
(a) define (c) finally (b) return (d) def
11. Which of the following is the slicing operator?  
(a) { } (b) [ ] (c) < > (d) ( )
12. Which of the following statement is not correct?  
(a) A list is mutable (b) A tuple is immutable.  
(c) The append() function is used to add an element.  
(d) The extend() function is used in tuple to add elements in a list.
13. Which database model represents parent-child relationship?  
a) Relational b) Network c) Hierarchical d) Object
14. Relational database model was first proposed by  
a) E F Codd b) E E Codd c) E F Cadd d) E F Codder

15. Who developed ER model?  
 a) Chen b) EF Codd c) Chend d) Chand

**SECTION – B ( 6 X 2 = 12 M)**

**ANSWER ANY 6 QUESTIONS .COMPULSORY Q.NO 24**

16. What is Data Visualization?  
 17. Write the command to populate record in a table. Give an example.  
 18. What is the use of modules?  
 19. What is CSV File?  
 20. Differentiate Unique and Primary Key constraint.  
 21. What is data consistency?  
 22. What is class?  
 23. How will you access the list elements in reverse order?  
 24. What will be the output of the following python code? str1 = "School" print(str1\*3)

**SECTION – C ( 6 X 3 = 18 M)**

**ANSWER ANY 6 QUESTIONS .COMPULSORY Q.NO 26**

25. Write a note about count( ) function in python  
 26. Write a shot note about **sort()**.  
 27. What are class members? How do you define it?  
 28. What is the role of DBA?  
 29. Write any three DDL commands  
 30. What is the difference between reader()method and DictReader() class?  
 31. What is sys.argv? What does it contain?  
 32. Mention the difference between fetchone() and fetchmany()  
 33. Write any three uses of data visualization

**SECTION – D ( 5 X 5 = 15 M)**

**ANSWER ALL QUESTIONS**

34. a) Explain in detail the types of pyplots using Matplotlib.  
 (OR)  
 b). hat is the use of HAVING clause. Give an example python script  
 35 a ). Write the syntax for getopt() and explain its arguments and return values  
 (OR)  
 b). Write the rules to be followed to format the data in a CSV file.  
 36.a). Write the different types of constraints and their functions.  
 (OR)  
 b). Explain the different operators in Relational algebra with suitable examples  
 37. a) Explain about constructor and destructor with suitable example  
 (OR)  
 b). What is the purpose of **range()**? Explain with an example  
 38.a). Explain about string operators in python with suitable example.  
 (OR)  
 b). Explain recursive function with an example.

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