12TH STD COMPUTER SCIENCE IMPORTANT QUESTIONS

(PREPARATION OF QUARTELY EXAMINATION)

2MARK AND 3MARK QUESTIONS:

1. What is a subroutine?
2. Define function with respect to the programming language?
3. Write the inference you get from X:=(78)
4. Differentiate interface and implementation
5. Characteristics of interface
6. Why strlen is called pure function?
7. Side effects of impure function?
8. Differentiate pure and impure function
9. Identify the normal and recursive function definition
10. Abstract data type
11. Differentiate constructors and selectors
12. What is Pair, List, Tuple? Give an examples
13. Differentiate concrete data type and abstract data type.
14. Which strategy is used for program designing?
15. Different ways to access elements of a list?
16. Identify the List, Tuple and Class
17. Identify the constructors and selectors
18. What is scope?
19. Why scope should be used for variable? State the reason.
20. What is Mapping?
21. What do you mean by Namespaces?
22. Define Local scope, Global scope, Enclosed scope with an example.
23. Why access control is required?
24. Identify the scope variable and output and write the output.
25. What is a Module?
26. What is called Modular programming?
27. What is scope of the variable?
28. What is an Algorithm ?
29. Define : Pseudo code
30. Who is an Algorist ?
31. What is Sorting ?
32. What is searching? Write its types.
33. What is called an Algorithm analysis?
34. Give the pseudo code for Binary search
35. What is Memorization? What is its use

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36. Different modes to test python program
37. Write short note on Tokens
38. What are the different operators
39. What is literal? Explain the types of literals.
40. Write a short note on Exponent data
41. Explain a short note on Arithmetic operators with examples
42. What are the assignment operators that can be used in python?
43. Explain Ternary operator with examples
44. What are sting literals and explain.
45. What are Delimiters?
46. List the control structures in Python
47. Write a note on break statement
48. Define Control structure
49. Syntax of if else statement
50. Write a note on range ()in loop
51. Write a note on if else structure
52. List the differences between break and continue statement
53. Write the syntax of while loop
54. What is called iteration (or) looping?
55. Write a note on null statement or pass statement
56. What is function
57. Write the different types of function
58. What are the main advantages of function
59. What is mean by scope of variable? Mention its types
60. What is base condition of recursive function?
61. Rules of local variable
62. Differentiate ceil()and floor() function
63. How does recursive function work?
64. What is the composition in functions?
65. Differentiate parameters and arguments
66. What are default arguments
67. Write a note on variable length arguments
68. What is use of Lambda or anonymous function?
69. What is String?
70. Do you modify string in python
71. How will you delete a string in python
72. Write a output f python
73. What is slicing?
74. What is the use of format ()? Give an example
75. Write a note on a)capitalize b)swap case()
76. What is list in python?
77. How will you access the list elements in reverse order?

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78. Differentiate del with remove ()in list.
79. Write a syntax of creating a tuple with n number of elements
80. Differentiate del and clear () in a dictionary with an example?
81. List out the set of operations supported by python
82. Write a sort note on sort()
83. What are the differences between list and dictionary?
84. What is a class?
85. What is instantiation
86. What is the purpose of destructor?
87. Write a class with two private variables and print the sum using a method?
88. Mention few examples of RDBMS
89. What is data consistency?
90. What is the difference between hierarchical and Network data model?
91. What is Normalization?
92. What is difference between Select and Project command?
93. What is the role of DBA?
94. Explain Cartesian product with suitable examples
95. Writ the different types of DBMS users
96. What are the components of DBMS
97. Write the use of DBMS?
98. What is relational Algebra?
99. Define data and information.
100. Differentiate unique and primary key constrait.
101. Write the differences between table constraint and column constraint?
102. Which component of SQL lets insert values tables which lets to create a table?
103. What is constrait? Write short note on primary key constant? write any three DDL commands
104. Write the uses of SAVE POINT command with an example
105. What is RDMS?
106. What is DDL?
107. What is DML and DCL?
108. What is the use of TRUNCATE command?
109. Write about COMMIT command
110. Writ a SQL statement using DISTINCT keyword.

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5MARK QUESTIONS:

1. Explain Pure and Impure functions
2. Explain with an example interface and implementation
3. How will you access the multi-item? Explain with example
4. Write the five characteristics of Modules.
5. Write any Five benefit in using modular programming.
6. Explain the characteristics of an algorithm.
7. Explain binary search with the example.
8. Explain the Bubble sort Algorithm with example.
9. Explain the concept o0f Dynamic Programming with a suitable example.
10. Explain input() and print() function with example
11. Discuss token in python?
12. Write a short note on loop
13. Write a detail on if else statement with suitable example?
14. Write a program to display all three digit odd number
15. Write a program to display multiplicative table for a given number
16. Explain different types of function with an example
17. Explain a)id() b)chr() c)round() d)type() e)pow() f)min( ) g)max h)sum() i)floor() j)ceil() k)sqrt().
18. Write a python to find L.C.M. of two numbers
19. Explain recursive function with an example
20. What are the different ways to insert an element in a list explain with a example
21. What is purpose of range() explain with the example
22. Explain the types of data model
23. Explain the different types of a relationship mapping
24. Differentiate DBMS and RDBMS
25. Explain the different operators in relational algebra with the suitable example
26. Explain Characteristics of DBMS
27. What are components of SQL? Write the commands in each.

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ALL THE BEST

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Padasalai's Telegram Groups!

(தலைப்பிற்கு கீழே உள்ள லிங்கை கிளிக் செய்து குழுவில் இணையவும்!)

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