Preview Question Paper



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HOME TEST -XII(A2)[REVISION]

12th Standard Computer Science

	Date:	28-11-24
Reg.No.:		

Exam Time: 00:01 Hrs Total Marks: 100

II ANSWER ALL THE QUESTIONS:

 $10 \times 2 = 20$

- 1) What is a Pair? Give an example.
- 2) What do you mean by Namespaces?
- What are the different operators that can be used in Python?
- 4) Write is the syntax of if..else statement.
- 5) Define global scope.
- 6) What is slicing?
- 7) What is use of next() function?
- 8) Write the expansion of (i) SWIG (ii) MinGW
- 9) Write the command to populate record in a table. Give an example.
- Write the difference between the following functions: plt.plot([1,2,3,4]), plt.plot([1,2,3,4], [1,4,9,16]).

III ANSWER ALL THE QUESTIONS:

 $10 \times 3 = 30$

- 11) Differentiate pure and impure function.
- 12) Write short notes on Escape sequences with examples.
- 13) Write a program to display

A

A B

A B C

ABCD

ABCDE

- 14) What is composition in functions?
- 15) Write a note about count() function in python.
- 16) Write a shot note about sort().
- What is the difference between the write mode and append mode.
- 18) What is MinGW? What is its use?
- Read the following details. Based on that write a python script to display department wise records database name:- organization.db

Table name: - Employee

Columns in the table: - Eno, EmpName, Esal, Dept

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Draw the output for the following data visualization plot. import matplotlib.pyplot as plt plt.bar([1,3,5,7,9],[5,2,7,8,2], label="Example one") plt.bar([2,4,6,8,10],[8,6,2,5,6], label="Example two", color='g') plt.legend() plt.xlabel('bar number') plt.ylabel('bar height') plt.title('Epic Graph in Another Line! Whoa') plt.show()

III ANSWER IN DETAIL:

 $10 \times 5 = 50$

- 21) Explain with example Pure and impure functions.
- 22) Explain the types of scopes for variable or LEGB rule with example.
- 23) Explain the Bubble sort algorithm with example.
- 24) Explain input() and print() functions with examples.
- 25) Explain the different set operations supported by python with suitable example.
- Write a Python program to write a CSV File with custom quotes.
- 27) Explain about constructor and destructor with suitable example.
- Write the syntax for getopt() and explain its arguments and return values.
- Write in brief about SQLite and the steps used to use it.
- 30) Explain in detail the types of pyplots using Matplotlib.

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