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(FOR THE CANDIDATES ADMITTED

22 UAI 204

DURING THE ACADEMIC YEAR 2022 onwards ONLY)

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : May 2023

B.Sc. – COMPUTER SCIENCE WITH

ARTIFICIAL INTELLIGENCE

MAXIMUM MARKS: 50

II SEMESTER

TIME : 3 HOURS

PART – III

PROGRAMMING IN PYTHON

SECTION – A (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

1. ----- of the following is used to define a block of code in python Language

a) Indentation b) Key c) Brackets d) Tags

2. ----- is the index value of ‘i’ in string Learning

a) 5 b) 3 c) 6 d) 7

3. Index Value in string should be of type -----

a) Float b) Integer c) String d) Boolean

4. Keys of dictionary must be -----

a) antique b) unique c) mutable d) Integers

5. To read the entire remaining contents of the files as a string from a file ----- is used

a) infile.read() b) infile.readf() c) infile.readline() d) infile.readlines()

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

(Qn. No. 6 - 10)

6. Who developed python Programming?

7. What does Pip stand for python?

8. Name the function which is used to find the length of string in python.

9. In python which is used to delete an element from dictionary?

10. Which method reads one complete line from a file where each line terminates with a new line(\n)?

(CONTD 2)

SECTION – B**(5 X 3 = 15 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.**
(K3)

11. a) List the keywords and their usage in python Programming.
(OR)
b) Describe scope and lifetime of variables in python.
12. a) How to create string? Explain with example.
(OR)
b) Examine the del statement with suitable example.
13. a) Explain value pairs in Dictionaries.
(OR)
b) Show the relation between Tuples and Lists.
14. a) Interpret types of file.
(OR)
b) Examine the usage of special characters in python.
15. a) Describe how to create classes in python.
(OR)
b) Explain Altair in python.

SECTION – C (5 X 5 = 25 MARKS)**ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.**
(K4 (Or) K5)

16. a) Summarize Data types in python.
(OR)
b) Discuss control flow statements in python.
17. a) Explain string slicing and joining in python.
(OR)
b) Summarize the functions used on lists.
18. a) List built in functions used on Dictionaries
(OR)
b) Outline tuple methods with examples.
19. a) Discuss file methods to read and write data.
(OR)
b) Examine Regular expression methods with suitable example.
20. a) Analyze the constructor methods in python.
(OR)
b) Explain JSON and XML in Python.