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| QP Code: D143674   |   | Total Pages: 1    | Name: |
|  |   | Register No.      |       |
| FOURTH SEMESTER (CUFYUGP) DEGREE EXAMINATION, APRIL 2026                                 |   |                   |       |
| COMPUTER APPLICATION   |   |                   |       |
| BCA4CJ206 Python Programming   |   |                   |       |
| 2024 Admission onwards   |   |                   |       |
| Maximum Time :2 Hours  |   | Maximum Marks :70 |       |
| <b>Section A</b>   |   |                   |       |
| <b>All Questions can be answered. Each Question carries 3 marks (Ceiling : 24 Marks)</b> |   |                   |       |
| 1  | What is a recursive function? Give an example.  |                   |       |
| 2  | What is an anonymous function?  |                   |       |
| 3  | What is a module in Python?   |                   |       |
| 4  | What is a list in Python? Give an example.  |                   |       |
| 5  | Define dictionary with syntax.  |                   |       |
| 6  | Write the syntax of the if-elif-else statement.   |                   |       |
| 7  | Differentiate between for loop and while loop.  |                   |       |
| 8  | Write a Python statement to slice a string.   |                   |       |
| 9  | State the purpose of Matplotlib.  |                   |       |
| 10   | Write a simple command to plot a line graph using Matplotlib.                                   |                   |       |
| <b>Section B</b>   |   |                   |       |
| <b>All Questions can be answered. Each Question carries 6 marks (Ceiling : 36 Marks)</b> |   |                   |       |
| 11   | Describe operator precedence and associativity in Python with examples.                         |                   |       |
| 12   | Explain decision-making structures in Python with suitable examples.                            |                   |       |
| 13   | Explain the looping structures in Python with examples.   |                   |       |
| 14   | Mention about string slicing and splitting.   |                   |       |
| 15   | Explain the use of Pandas.  |                   |       |
| 16   | State the applications of Mathplotlib.  |                   |       |
| 17   | Describe the types of tokens.   |                   |       |
| 18   | Explain the different dictionary methods.   |                   |       |
| <b>Section C</b>   |   |                   |       |
| <b>Answer any ONE. Each Question carries 10 marks (1x10=10 Marks)</b>                    |   |                   |       |
| 19   | Explain tokens, operators, operator precedence, and type conversion in Python with examples.    |                   |       |
| 20   | Explain Matplotlib plotting in Python. Write a Python program to plot line graph and bar chart. |                   |       |