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| **QP CODE: D3BCS2406** | **(Pages: 2)** | **Reg. No** | **: .....** |
| | | **Name** | **: .....** |

**THIRD SEMESTER FYUGP EXAMINATION, NOVEMBER 2025**

**Discipline Specific Core (DSC) Course - Minor**

**CSC3MN201 : Python Programming**

**(Credits: 4)**

**Time: 2 Hours** **Maximum Marks: 70**

**Section A**

**Answer the following questions. Each carries 3 marks (Ceiling: 24 marks)**

| | | | |
|---|---|---|---|
| 1. | Based on the number of operands, how can you classify python operators? | BL1 | CO1 |
| 2. | Explain why indentation is important in Python. | BL2 | CO1, CO2 |
| 3. | List any six escape sequences in python. | BL1 | CO1, CO4 |
| 4. | What is a Boolean expression in Python?Give an example. | BL2 | CO1 |
| 5. | List three commonly used classes in the datetime module. | BL1 | CO5, CO6 |
| 6. | Write a note on numeric data type in python. | BL1 | CO1 |
| 7. | Explain the role of "elif" in the "if...elif...else" statement.How it enhances decision-making. | BL3 | CO1, CO2 |
| 8. | Demonstrate how will you find the size of a dictionary? | BL3 | CO1, CO3, CO4 |
| 9. | What is meant by an expression? Give an example. | BL2 | CO1, CO2, CO3 |
| 10. | How does the pop() method function in Python sets? | BL2 | CO1, CO4 |

**Section B**

**Answer the following questions. Each carries 6 marks (Ceiling: 36 Marks)**

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|---|---|---|---|
| 11. | Define identifier in python. List the rules for naming an identifier. Give examples for two valid and two invalid identifiers. | BL2 | CO1 |
| 12. | Explain the loop control statements in python with syntax and examples. | BL3 | CO1, CO2, CO3 |

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|---|---|---|---|
| 13. | Illustrate the purpose of count(), clear() and index() methods of tuples with examples. | BL2 | CO1, CO4 |
| 14. | Explain the concept of recursion in python.Write a recursive function to find the factorial of a number. | BL3 | CO1, CO2, CO3 |
| 15. | What is meant by type conversion? Discuss its types with examples. | BL3 | CO1, CO2, CO3 |
| 16. | Explain “while” statement in python with syntax and examples. | BL3 | CO1, CO2, CO3 |
| 17. | Explain how lists in Python differ from tuples. | BL4 | CO1, CO4 |
| 18. | Explain print function in python. Illustrate the use of ‘end’ and ‘sep’ in print with suitable examples. | BL3 | CO1, CO3 |
| | | | |
| | **Section C** | | |
| | **Answer any one question. Each carries 10 marks (1 x 10 = 10 Marks)** | | |
| 19. | Discuss the key features of python. | BL2 | CO1 |
| 20. | Discuss different types of function arguments in Python. Provide examples for each type. | BL3 | CO3, CO5 |
| | | | |
| | **CO : Course Outcome** | | |
| | **BL : Bloom’s Taxonomy Levels** (1 – Remember, 2 – Understand, 3 – Apply, 4 – Analyse, 5 – Evaluate, 6 – Create) | | |