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| **UNITED COLLEGE OF ENGINEERING & RESEARCH, PRAYAGRAJ (010)** | | | | **Department CSE & IT** | | | |
| Sessional Examination (Even Semester 2021-22) | | | | SEMESTER: 3rd | | | Date: - |
| TIME: 2 hours. | | | SUBJECT: Python Programming | Paper code: KNC302 | | | MM. 25 |
| **READ ALL INSTRUCTIONS AND QUESTIONS VERY CAREFULLY** | | | | | | | |
| **SECTION A (Attempt ALL questions) Very short answer** | | | | | **[5]** | **CO** | **Bloom’s Taxonomy Level** |
| 1 | a | Write Python program to swap two numbers without using Intermediate/Temporary variables. | | | [1] | 1 | (Apply) L3 |
| 1 | b | Explain any five benefits of using Python | | | [1] | 1 | (Remember) L1 |
| 1 | c | Define floor division with example | | | [1] | 1 | (Remember) L1 |
| 1 | d | Write any four common built-in data types in Python? | | | [1] | 1 | (Remember) L1 |
| 1 | e | Explain the term pass in Python | | | [1] | 1 | (Remember) L1 |
| **SECTION B (Attempt Any two questions) Long Answer** | | | | | **[10]** |  |  |
| 2 |  | Explain the purpose and working of loops. Discuss Break and continue with example. Write a Python program to convert time from 12 hour to 24-hour format. | | | [5] | 2 | (Remember) L1  (Apply) L3 |
| 3 |  | Explain higher order function with respect to lambda expression. | | | [5] | 3 | (Remember) L1 |
| 4 |  | How to handle Exceptions with Try-Finally? Explain 5 Built-in Exceptions with example. | | | [5] | 4 | (Understand) L2 |
| **SECTION C (Attempt Any One questions) Very Long Answer** | | | | | **[10]** |  |  |
| 6 |  | Describe the differences between a linear search and a binary search? | | | [10] | 5 | (Remember) L1 |
| 7 |  | Discuss Sorting & Merging. Explain different types of sorting with example. | | | [10] | 5 | (Remember) L1 |
| **#### END OF PAPER ####** | | | | | |  |  |

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| **Course Outcome Wise Marks Distribution** | CO1 | CO2 | CO3 | CO4 | CO5 |
| 5 | 5 | 5 | 5 | 10 |

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| **Bloom’s Taxonomy Wise Marks Distribution** | L1 | L2 | L3 | L4 | L5 | L6 |
| 34 | 0 | 6 | 0 | 0 | 0 |