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| **Regd. Number:** |  | | | **Invigilator Signature with date** | **Marks obtained** |
| **Name:** |  | | |
| **P.V.P SIDDHARTHA INSTITUTE OF TECHNOLOGY (AUTONOMOUS)** | | | | | |
| **Department of Computer Science & Engineering** | | | | | |
| **Academic Year: 2024 – 25** | | | **II B. Tech Semester - II** | | |
| **Subject Code: 23CS6421** | | **Subject Name: Advanced Python Programming** | | | |
| **Regulation: PVP23** | | **Time: 30 Minutes** | | **Objective Exam-I** | **Date: 29-03-25** |
| **Note: Answer ALL Questions. Each Question carries 2 Marks.** | | | | | **Max marks: 10** |

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| **S. No** | **Question** | **Blooms**  **Level** | **CO** | **Max.**  **Marks** |
| 1 | Explain lambda functions with a simple example. | L2 | CO1 | 2 |
| 2 | Build a Python code to slice the first three elements from the following array:  arr = np.array([10, 20, 30, 40, 50]) | L3 | CO1 | 2 |
| 3 | What is the difference between re.search() and re.match() functions? | L1 | CO1 | 2 |
| 4 | Write a list comprehension to filter out even numbers from a list [1, 2, 3, 4, 5, 6]. | L2 | CO1 | 2 |
| 5 | Explain the process of creating a NumPy array from a Python list. Provide an example. | L2 | CO1 | 2 |