



केन्द्रीय जनजातीय विश्वविद्यालय आन्ध्रप्रदेश
Central Tribal University of Andhra Pradesh

(A Central University Established by an act of Parliament)

II Midterm Examinations - March 2025

SEMESTER – IV

Subject: Python Programming

Subject Code – BAI252 (Major-II)

Program of Study: B.Sc. AI (II Year)

Part-A

Answer all the questions. Each Carries 1 mark.

1x5=5

1. What is the purpose of regular expressions in programming?
2. How can you use the findall() function from the re module
3. What is the difference between a thread and a process?.
4. What is GUI programming, and what are its benefits?
5. What is Tkinter, and how is it used in Python programming?

Part-B

Answer either A or B short answer question. Question carries 5 marks

5x1=5

- 6 A). Describe the threading module in Python and its classes Provide examples of their usage

(OR)

- B). List different Widgets in Tkinter module and also Write a Python program using Tkinter to create a simple GUI window with a label and a button

Part-C

Answer either A or B long answer question. Question carries 10 marks

10x1=10

- 7 A) Describe the various special symbols and characters used in regular expressions, Provide examples to illustrate their usage.

(OR)

- B) Explain the various steps involved in a Tkinter window application creation with suitable example program and also discuss various geometry methods provided in Tkinter module with suitable example programs