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Department of Research & Development Mid - Term Examinations - SEPTEMBER 2024

Odd Semester: Ph.D. Course Work	Date: 27 /09/2024
Course Code: CSE908	Time : 10:00am – 11:30am
Course Name : Artificial Intelligence – Concepts and Application	Max Marks: 50
Department:	Weightage: 25%

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 5 marks. 4Q		
1	Explain the Python program that demonstrates exception handling using a real-world example of a file reading operation and input validation.	5 Marks
2	Explain how utility-based agent differs from a goal-based agent with the help of an example.	5 Marks
3	Explain the four pillars of Object-Oriented Programming in Python with examples.	5 Marks
4	Discuss the limitations of uninformed search algorithms with respect to large or complex problem spaces.	5 Marks

Part B

Answ	2QX15M=30M			
5	a.	Explain the role of Alpha-Beta Pruning in modern AI-based game-playing		06 Marks
	b.	systems. Apply the Alpha-Beta Pruning for the following diagram		09 Marks

