



	InSem Examination-IISummer2024		
	Exam Seat No.:		
	Academic Year:2023-2024	Semester:II	
	Name of Programme:FYMCA	Pattern:2022	
	Name of Course:Elective I: A : Artificial Intelligence	Course Code:MCA222003A	
	Max. Marks:30	Duration:1 Hour	

	<p>Instructions: Candidates should read carefully the instructions printed on the Question Paper and on the cover page of the Answer Book, which is provided for their use.</p> <ol style="list-style-type: none">1. This question paper contains __2__page(s).2. Answer to each new question is to be started on a new page.3. Assume suitable data wherever required, but justify it.4. Draw the neat labelled diagrams, wherever necessary.5. The last columns indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question.	
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Question No. 1 Attempt following Question

- a) Describe the Intelligent System with following points: (8) CO1
- i) Description ii) Types of Intelligence
- iii) Applications iii) Challenges

OR

- b) Describe following terms with examples: (8) CO1
- i) Intelligent Agents ii) Environment
- iii) Behaviour iv) Rationality

- c) Describe Foundations and Applications of AI in detail. (7) CO1

OR

- d) Describe History of AI in detail. (7) CO1

Question No. 2 Attempt following Question

- a) Discuss Un-informed searching methods. Explain the algorithm of Best First Search with example. (8) CO2

OR

- b) Discuss Depth-first search, Depth limited search algorithms with examples. (8) CO2

c) Discuss Uniformed Cost Search method with example. (7) CO2

OR

d) Discuss Hill climbing algorithm with suitable example. (7) CO2

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