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BCA First Sessional Tests 2023-24
Fourth Semester
BCADS1404: Artificial Intelligence

Time: 60 Minutes Max. Marks: 30

(Section A)

Q.1: Attempt all Questions: (5*1=5)

- Define artificial intelligence and its scope?
- Explain the goals of AI.
- Draw and explain the Breadth First Search algorithm.
- Define AI Agent.
- Name the types of search algorithm.

(Section B)

Q2. Attempt any Two:

(2*7.5=15)

- Explain intelligent agent and its characteristic.
- Explain A* search algorithm.
- Explain best first search algorithm.
- Explain the hill climbing algorithm in detail.

(Section C)

Q3. Attempt any ONE:

(10*1=10)

- Explain and draw the components of production system.
- Explain knowledge based agent in AI.
- Explain uninformed Search Algorithm.