PA-10041

[6009]-324
T.E. (Computer Engineering) (Insem)
ARTIFICIAL INTELLIGENCE
(2019 Pattern) (Semester - II) (310253)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

1) *Answer four questions Q.1 or Q.2, Q.3 or Q.4.*
2) *Neat diagrams must be drawn wherever necessary.*
3) *Assume suitable data, if necessary.*

Q1) a) Define Artificial Intelligence, Intelligent Agent and its use. **[5]**

b) List advantages of Artificial Intelligence. **[5]**

c) Describe Learning Agent Architecture with diagram. **[5]**

OR

Q2) a) Write a note on 'Evaluation of search strategy'. **[5]**

b) Explain different search strategies. **[5]**

c) What is Heuristic function? **[5]**

Q3) a) Describe Hill climbing search with suitable example. List disadvantage of hill climbing process. **[10]**

b) Differentiate between Blind search and heuristic search. **[5]**

OR

Q4) a) List steps involved in simple problem solving technique with suitable example. **[7]**

b) Explain A* algorithm with suitable example. **[8]**