PB217

[6269]-442

T.E. (Honors) (Insem)
ARTIFICIAL INTELLIGENCE
(2019 Pattern) (Semester - II) (310303)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:
1) *Solve questions Q.1 or Q.2, Q.3 or Q.4.*
2) *Neat diagrams must be drawn wherever necessary.*
3) *Figure to the right indicates full marks.*
4) *Assume suitable data if necessary.*

Q1) a) Define AI and List four approaches of AI. **[5]**

b) List the foundations of Artificial Intelligence and explain any one in detail. **[5]**

c) Explain Agents and Environments in AI with suitable example. **[5]**

OR

Q2) a) Write a note on History of AI. **[5]**

b) List application of AI and explain any two applications in detail. **[5]**

c) Differentiate between Artificial Intelligence and Machine Learning. **[5]**

Q3) a) Explain A* search Algorithm. **[5]**

b) Explain Constraint Satisfaction Problems. **[5]**

c) Write a note on Genetic Algorithm. **[5]**

OR

Q4) a) Explain in detail Hill Climbing search Algorithm with example. **[5]**

b) What is Inference in CSP? Explain any 3 consistency used in CSPs. **[5]**

c) Write a note on Online search problems with example. **[5]**

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