



Code: 9A05605

B.Tech IV Year II Semester (R09) Supplementary Examinations April 2018

ARTIFICIAL INTELLIGENCE

(Electronics & Communication Engineering)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Discuss the criteria for success in AI field.
(b) Explain TS problem as AI problem.
- 2 (a) Explain learning heuristics from experience.
(b) Write and explain the general graph-search algorithm.
- 3 (a) Make a comparison between declarative and procedural approaches.
(b) List the standard logical equivalences of propositional logic.
- 4 (a) Comment on propositional vs first order inference.
(b) Explain verification and lifting with illustration.
- 5 Explain about the system designed for organizing and reasoning with categories.
- 6 State and prove Bayes' theorem.
- 7 (a) Explain current best learning algorithms and write the drawbacks.
(b) Explain explanation –based learning.
- 8 Explain the following:
(a) Feed-forward networks.
(b) Recurrent networks
