

**M.PHIL. DEGREE EXAMINATION, FEBRUARY 2020
I YEAR I SEMESTER
ARTIFICIAL INTELLIGENCE**

Time : 3 Hours

Max.marks :75

Section A ($5 \times 15 = 75$) Marks

Answer any **FIVE** questions

1. Discuss about Heuristic search techniques in detail.
2. Explain Knowledge representation using predicate logic.
3. Discuss about Bayesian Theory and Networks.
4. Elaborate on Forward and Backward Chaining.
5. Explain the minimax search procedure in Game Playing.
6. What are Expert Systems ? Discuss about their role and architecture.
7. Discuss about the problems and techniques of AI.
8. Discuss about Machine and Adaptive learning in detail.

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