

Total No. of Questions : 12]

SEAT No. :

P1458

[Total No. of Pages : 3

[4164] - 700

May - June 2012

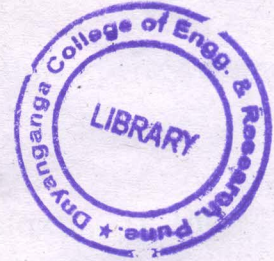
B.E. (Computer Engineering)
ARTIFICIAL INTELLIGENCE
(2008 Pattern) (Elective - I) (Sem. - I)

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) Attempt three questions from Section-I and three questions from Section- II.
- 2) Answers to the two sections should be written in separate books.
- 3) Neat diagrams must be drawn wherever necessary.
- 4) Assume suitable data, if necessary.



SECTION - I

- Q1) a) What is the dose of reality as per the AI researchers? [4]
- b) What is the role of Table-Driven Agent program in simple reflex agent?
Write an architecture and function of model based reflex agent. [12]

OR

- Q2) a) Write an architecture and function of model based utility based agent. [8]
- b) Explain thinking humanly and thinking rationally in AI. [4]
- c) Write PEAS description of the task environment for an automated taxi. [4]

- Q3) a) Explain well-defined problems and solutions? How abstraction is useful while formulating problems? [8]
- b) Explain iterative deepening depth-first search algorithm with its function. [8]

OR

- Q4) a) How to evaluate an algorithms performance? How uniform cost search uses algorithms performance? [8]
- b) Explain memory bounded heuristic search methods? [8]

P.T.O.

