

Roll No.

Total Pages : 2

BT-8/M-20

38005

EXPERT SYSTEM

Paper–CSE-446-E

Time Allowed : 3 Hours]

[Maximum Marks : 75

Note : Attempt **five** questions in all, selecting at least **one** question from each Unit. All questions carry equal marks.

UNIT-I

1. (a) Explain scaling problem in Expert system design. 7
- (b) Discuss applications in areas of Expert system with activities specified. 8
2. Discuss the Case study of PROSPECTOR in detail. 15

UNIT-II

3. Discuss different stages in the development of expert system tools in detail. 15
4. Explain the following factors that involve in expert system :
 - (a) Interface design engine

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- (b) System supporting Aids
- (c) Knowledge Engineering 5×3=15

UNIT-III

- 5. (a) Explain, how uncertainty is handed in expert system. 7
- (b) Describe any three methods used by Knowledge engineer and system engineer to make sure that knowledge base is up to date. 8
- 6. Explain the procedure of building an Expert system in detail. 15

UNIT-IV

- 7. (a) What are the common Pitfalls in dealing with the domain expert of an expert system ? 7
- (b) What are the different problems that can occur during the different phases of the development of an Expert system. 8
- 8. Write short notes on the following : 2×7½=15
 - (a) General Propose system.
 - (b) Min-Max problem.