

22671

M. Tech. 3rd Semester (CSE) CBCS Scheme

Examination, December-2018

KNOWLEDGE BASED SYSTEM

Paper-16 CSE23C1

Time allowed : 3 hours]

[Maximum marks : 100

Note : Attempt five questions in all, selecting one from each unit. Q. No. 1 is compulsory.

1. Write short note on following :

(i) Propositional Logic

(ii) Partitioned Nets

(iii) BFS

(iv) Fuzzy Logic

20

Unit-I

2. Describe in detail about Semantic Tableaux and Resolution in Predicate Logic. 20

5. Explain the following :
- (i) Semantic Nets
 - (ii) Thematic Role Frames. 20

Unit-III

6. Describe the following :
- (i) Iterative Deepening
 - (ii) DFS 20
7. Give a complete description about Heuristic Search. 20

Unit-IV

8. Explain the following :
- (i) Uncertainty Management in Expert System
 - (ii) Bayesian Theory 20
9. Define Agents. Explain their application in Intelligent System. 20