

St. Joseph's College of Engineering

St. Joseph's Institute of Technology

SUB CODE : CS6659

SUB. NAME : ARTIFICIAL INTELLIGENCE

ASSIGNMENT III

Part A

1. Define Inference.
2. Distinguish forward chaining and backward chaining.
3. What is semantic network
4. Define frame and mention the issues of frame based system.
5. Mention the advantages and disadvantages of Production based system.
6. Define Bayes' rule
7. Write briefly about fuzzy set theory.
8. What are the various kinds of knowledge?

Part B

1. Describe the various issues in knowledge representation.
2. Explain in detail about forward and backward chaining with suitable example.
3. Explain the method of performing exact inference in Bayesian networks.
4. Explain Dempster - Shafer theory with example.