III SEM AI QUESTION BANK

5 marks questions

UNIT 1

1. What is semantic networks of KR
2. What are the types of knowledge to be represented in AI
3. Explain the connection between knowledge and intelligence
4. What are different approaches to KR
5. Explain requirements for KR system

UNIT II

1. What is procedural Knowledge
2. What is declarative knowledge
3. Explain briefly about forward and backward reasoning
4. What is matching?

UNIT III

1. What is PSG?
2. What is syntactic analysis
3. What are Augmented Grammars
4. Explain information retrieval
5. Write about information extraction

UNIT IV

1. Define and explain briefly about expert systems.
2. Write about importance of expert systems.
3. What are characteristics of expert systems.
4. Applications of expert systems

UNIT V

1. What is TMS
2. Write about Blackboard systems.
3. What is domain specific knowledge in ES
4. How uncertainty is handled in traditional systems and expert systems

10 marks questions

UNIT 1

1. Give an introduction to KR
2. Explain extended semantic networks of KR
3. Write differences between semantic and extended semantic networks
4. Explain Frame based knowledge in AI.
5. Compare semantic , extended semantic and frame based KR.

UNIT II

1. What is control knowledge

2. Elaborate bidirectional reasoning
3. What is logic programming and what are horn clauses
4. How to represent knowledge using rules?
5. Explain procedural VS Declarative knowledge

UNIT III

1. What is a Language Model?
2. What is the difference between Information retrieval and extraction
3. What is text classification
4. Explain the types of MT
5. Write about speech recognition

UNIT IV

1. Explain categories of expert systems
2. Give an introduction to expert systems
3. Explain why expert systems are important and their applications.
4. Define expert systems and its characteristics

UNIT V

1. What are the phases in building an expert system
2. Explain traditional systems VS expert systems
3. Write about rule based expert systems
4. Explain importance of TMS in ES
5. Explain expert system architecture