

CS8691-ARTIFITIAL INTELLIGENCE
QUESTIONS TO STUDY FOR UNIVERSITY EXAM

PART-B

UNIT-1

1. TYPES OF INTELLIGENT AGENTS
2. PROBLEM SOLVING APPROACHES TO TYPICAL AI PROBLEMS(WATER JUG + MISSORANIERS AND CANNIBALS)
3. PEAS REPRESENTATION(THEORY+EXAMPLES)

UNIT-2

1. INFORMED AND UNINFORMED SEARCH
2. ALPHA BETA PRUNING (EXAMPLE + PSUEDOCODE)
3. CONSTRAINT SATISFACTION PROBLEM (GRAPH COLORING + CRYPT ARITHMETIC)
4. MIN MAX ALGORITHM(ALGORITHM+EXAMPLE)

UNIT-3

1. FORWARD AND BACKWARD CHAINING (THEORY + EXAMPLES)
2. RESOLUTION. (THEORY + EXAMPLES)
3. KNOWLEDGE REPRESENTATION (THEORY + EXAMPLES)
4. FIRST ORDER PREDICATE LOGIC. (THEORY + EXAMPLES)

UNIT-4

1. ARCHITECTURE OF INTELLIGENT AGENT
2. TRUST AND REPUTATION IN MULTI AGENT SYSTEMS
3. NEGOTIATION AND BARGAINING
4. AGENT COMMUNICATION

UNIT-5

1. INFORMATION RETRIEVAL
2. INFORMATION EXTRACTION
3. MACHINE TRANSLATION
4. SPEECH RECOGNITION
5. NLP