



R20 Regulation

Subject code:3E5EF

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech V Semester Supplementary Examinations, December 2024

Artificial Intelligence (CSE)

Maximum Marks: 70

Date:06.01.2025

Duration: 3 hours

- Note:
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks (10X2M=20) Marks)		CO	Bloom Tx
1	What is state space search?	1	L1
2	List any one issue in design of search problems.	1	L1
3	What is Procedural knowledge?	2	L1
4	What is forward reasoning?	2	L1
5	What is Dempster-Shafer Theory?	3	L1
6	What is Depth First Search?	3	L1
7	What is Conceptual Dependency?	4	L1
8	What are Scripts?	4	L1
9	What is MinMax Search?	5	L1
10	What is Planning?	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		CO	Bloom Tx
11	Define AI and Highlight the problems, Applications and Branches of AI. [10M]	1	L2
OR			
12	List the various Characteristics of Problem. [10M]	1	L2
13	Explain Procedural Versus Declarative Knowledge. [10M]	2	L2
OR			
14	Explain the use of predicate logic in knowledge representation. [10M]	2	L2
15	Explain Fuzzy logic. [10M]	3	L2
OR			
16	Explain Breadth First Search implementation. [10M]	3	L2
17	Explain Semantic Nets. [10M]	4	L2
OR			
18	Explain Frames. [10M]	4	L2
19	Explain the Components of a Planning System. [10M]	5	L2
OR			
20	Explain Hierarchical Planning. [10M]	5	L2