Code No.: DS514PE | R20 | H.T.No. | | | 8 | R | | | | | |

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
III–B.TECH–I–Semester End Examinations (Supply) - December- 2025
INTELLIGENT DATABASE SYSTEMS
(CSD)

[Time: 3 Hours] **[Max. Marks: 70]**

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 20 marks. Answer all questions in Part A.
Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks.

PART-A (20 Marks)

1. a) Describe IDBS. [2M]
   b) What is Data model? [2M]
   c) Write a short note on ODMG Standards. [2M]
   d) What is a Nested data model? [2M]
   e) Describe Deductive database system. [2M]
   f) What is DATALOG Language? [2M]
   g) Define CYC project. [2M]
   h) Write a short note on Knowledge level approach. [2M]
   i) Describe Temporal data model. [2M]
   j) Describe Multi agent system. [2M]

PART-B (50 Marks)

2. Explain Taxonomy of intelligent database systems. [10M]

OR

3. Describe Relational data model. [10M]

4. Explain Hyper semantic data models. [10M]

OR

5. Classify Research relational prototypes. [10M]

6. Demonstrate Classification of the knowledge-based system. [10M]

OR

7. List Architectural approaches. [10M]

8. List Lexical approaches to the construction of large knowledge-based systems. [10M])

OR

9. Brief Integral approach system. [10M]

10. List Basic indexing methods. [10M]

OR

11. Compare Semi structured and unstructured data. [10M]

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