

Code No.: DS514PE

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CMR ENGINEERING COLLEGE : HYDERABAD
UGC AUTONOMOUS
III-B.TECH-I-Semester End Examinations (Supply) - May- 2023
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) What is Intelligence database system? [2M]
- b) Mention 2 guidelines of intelligence database system. [2M]
- c) Define semantic data model. [2M]
- d) Explain nested data model schema. [2M]
- e) What is deductive database system? [2M]
- f) Mention any two characteristics of knowledge based systems. [2M]
- g) What is IAS – TELOS? [2M]
- h) Define KBS. [2M]
- i) List out the differences between temporal model and query. [2M]
- j) Explain the data mining tools. [2M]

PART-B

(50 Marks)

2. Describe in brief about general characteristics of IDBS. [10M]
- OR**
3. Discuss about Taxonomy of intelligent database systems. [10M]
4. Briefly explain about basic concept of a core object. [10M]
- OR**
5. Write about the ODMG standard. [10M]
6. Summarize the co factors of DATALOG language. [10M]
- OR**
7. Compare the Integration of deductive database and object database techniques. [10M]
8. Write short notes on General bridge solutions. [10M]
- OR**
9. What are the lexical approaches to the construction of large KBS? [10M]
10. Discuss in detail about ontology theoretical foundations. [10M]
- OR**
11. Explain how to design and develop the medical and legal information systems. [10M]
