

Roll No.

Total No. of Questions : 09]

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B.Tech. (Sem. - 7th/8th)
DATA WAREHOUSING AND MINING
SUBJECT CODE : IT - 414 (Elective - II)
Paper ID : [A0533]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Four** questions from Section - B.
- 3) Attempt any **Two** questions from Section - C.

Section - A

(10 × 2 = 20)

Q1)

- a) What are the steps in data mining process?
- b) What is difference between classification and prediction?
- c) What is data generalization?
- d) What is clustering?
- e) State the categories of clustering methods?
- f) What is spatial data mining?
- g) What is linear regression?
- h) How is a database different from a data warehouse?
- i) What is data cleaning?
- j) What is meant by summarization?

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Section - B

(4 × 5 = 20)

- Q2) What is data mining? Discuss the role of data mining in data warehousing.
- Q3) What are the characteristics of data warehouse?
- Q4) Compare and contrast various clustering methodologies.
- Q5) Describe in brief three tier architecture of data warehouses.
- Q6) Write short note on link analysis.

Section - C

(2 × 10 = 20)

- Q7) Explain in detail the technique of data classification, identifying its objectives.
- Q8) Discuss the important issues to be addressed by a data clustering system.
- Q9) Describe in detail analysis, design, construction and administration of data warehouses.

