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GIET UNIVERSITY, GUNUPUR – 765022
M. C. A (Fourth Semester) Examinations, May' 2021
MCA 405 - Data Mining Techniques

Time: 2 hrs

Maximum: 50 Marks

The figures in the right hand margin indicate marks.

PART – A**(2 x 10 = 20 Marks)**Q.1. Answer **ALL** questions

- What is Data Mining?
- What are the steps in the data mining process?
- How do you clean the data?
- Define frequent set
- List two interesting measures for association rules.
- List the techniques to improve the efficiency of Apriori algorithm.
- What is classification?
- What is mean by cluster analysis?
- What is meant by web usage mining.
- List some applications of Data Mining.

PART – B**(6 x 5 = 30 Marks)**Answer **ANY FIVE** questions

Marks

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| 2. Explain the forms of data pre-processing. | (6) |
| 3. Briefly explain the major issues in data mining. | (6) |
| 4. Explain in detail about Apriori algorithm with suitable example. | (6) |
| 5. Give the difference between Boolean association rule and quantitative Association rule. | (6) |
| 6. The naïve Bayes classifier makes what assumption that motivates its name? | (6) |
| 7. What is the objective function of the K-means algorithm? | (6) |
| 8. Distinguish between Spatial Mining and Temporal Mining. | (6) |
| 9. Discuss about web mining | (6) |

--- End of Paper ---