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PA—318—2024

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (Third Year) (Sixth Semester) EXAMINATION

APRIL/MAY, 2024

(CBCS/New Pattern)

COMPUTER SCIENCE

Paper—XV

(Data Mining)

(Friday, 03-05-2024)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (i) *All questions are compulsory.*

(ii) *Figures to the right indicate full marks.*

(iii) *Assume suitable data, if required.*

(iv) *Use of any electronic media such as mobile phone, digital diary and electronic calculator is not permitted.*

1. **Attempt the following :**

(a) **What is data mining ? Explain the concept and steps of data mining in detail.**

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(2)

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Or

- (b) Explain the tools for Data warehousing in detail. 7
- (c) Describe the mining frequent patterns. 8
2. Attempt the following :
- (a) Define Data warehousing. Explain the application of Data warehousing and Data mining. 15
- Or*
- (b) Explain the kinds of association rules. 7
- (c) Explain the classification by decision tree. 8
3. Write short notes on the following (any *two*) : 10
- (a) The Apriori Algorithm
- (b) K-Means method
- (c) Classification and Prediction
- (d) Mining Algorithm

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