

Roll No. :

Total No. of Questions : 11]

[Total No. of Printed Pages : 2

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B.C.A. (Part-II) Examination, 2023

DATA MINING

Paper - BCA-205 (B)

Time : 3 Hours]

[Maximum Marks : 70

Section-A

(Marks : 2 × 10 = 20)

Note :- Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

Section-B

(Marks : 4 × 5 = 20)

Note :- Answer all *five* questions. Each question has internal choice (Answer limit **50** words). Each question carries **4** marks.

Section-C

(Marks : 10 × 3 = 30)

Note :- Answer any *three* questions out of five (Answer limit **500** words). Each question carries **10** marks.

Section-A

1. (i) What is the formula for weighted arithmetic mean ?
- (ii) Define Scaling median.
- (iii) What is a decision tree ?
- (iv) Define holdout method.
- (v) What is boot Strap ?
- (vi) Explain virtual data mining.

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- (vii) Define clustering in data mining.
- (viii) What is Apriori principle ?
- (ix) What is Data objectives ?
- (x) Define classifier performance.

Section–B

2. What are the various Applications of data mining ?

Or

Explain Recalling mean and mode

3. What is FP Tree explain ?

Or

What are various classification techniques ?

4. Explain random subsampling.

Or

Define frequent item set

5. Evaluate FP growth Algorithm.

Or

Explain hierarchical clustering.

6. Explain cross validation.

Or

What are clustering methods. ?

Section–C

- 7. Explain data objectives and types of attributes.
- 8. What are the methods of expressing test conditions ?
- 9. Explain association analysis and rules
- 10. Evaluate apriori algorithm.
- 11. Explain DBSCAN clustering.