

Roll No. :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

UGP-300

B.C.A. (Part-II) Examination, 2021

DATA MINING

Paper - BCA 205 (B)

Time : 1½ 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 **200** 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. Attempt all *ten* questions. Answers should not exceed **50** words in each question.

- (i) Define Data Mining Tasks.
- (ii) What are Data Objects ?
- (iii) Define attributes in Data Mining.

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- (iv) What is Data Processing ?
- (v) Describe frequent item sets.
- (vi) Define Holdout Method.
- (vii) What is a F P Tree ?
- (viii) Give the statement for Apriori Principle.
- (ix) Explain Hierarchical Clustering.
- (x) How we can analyse a cluster in data mining ?

Section–B

Note :- Answer all *five* questions (Answer limit **200** words).

2. Differentiate between Recalling Mean and Weighted Arithmetic Mean.

Or

Explain Data Mining as step of knowledge discovery process.

3. What are the various classification techniques of Mining ?

Or

Explain quality of data in detail.

4. Describe Boot Strapping in Data Mining.

Or

Explain Random Sub-sampling.

5. What is frequent pattern (FP) Growth Algorithm ?

Or

Explain the concept of Virtual Data Mining.

6. Differentiate between Density Based and Grid Based Method.

Or

Explain various basic Clustering Methods.

Section-C

Note :- Answer any *three* questions out of five (Answer limit **500** words).

7. Explain various applications of Data Mining.
8. Describe the complete concept of Decision Tree Induction.
9. Explain association analysis in Data Mining.
10. Explain Apriori Algo with example.
11. What is the concept of 'DBSCAN' Algorithm ? Explain.