Total No. of Questions : **11**]   [Total No. of Printed Pages : **3**

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B.C.A. (Part-II) Examination, 2022
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 Data Mining ?

      (ii)   What are Data Objects ?

      (iii)   Define Data Processing.

      (iv)   Apriori principle.

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(v)   What is a F.P. Tree ?

(vi)   Bootstrap.

(vii)   Define DBSCAN.

(viii) Define Random Subsampling.

(ix)   Define Cluster.

(x)   Define Recalling Mean.

Section–B

2.   Explain Apriori Algo with example.

Or

Explain Data Mining tasks.

3.   Explain Hierarchical Clustering.

Or

Define Holdout method with suitable example.

4.   Differentiate between Recalling Mean and Mode.

Or

Explain various applications of data mining.

5.   Explain Decision tree with working.

Or

Describe frequent item sets.

6.   Explain Virtual Data Mining.

Or

Explain Data Objects and types of attributes.

Section–C

7. Describe the knowledge discovery process of Data Mining.

8. Explain FP growth algorithm and examples.

9. What are the various classification techniques of mining.

10. Explain Cross Validation of Random Subsampling.

11. Explain the following with suitable examples :

    (a)   Clustering methods

    (b)   Recalling median, mode

    (c)   Bootstrap Association Rules