

Roll No. :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

BPF-2226

M.Sc. (Final) Examination, 2022

COMPUTER SCIENCE

Paper - MCS-205 (A)

(Data Warehouse Data Mining)

Time : 3 Hours]

[Maximum Marks : 50

Section-A

(Marks : 2 × 10 = 20)

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

Section-B

(Marks : 3 × 5 = 15)

Note :- Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **3** marks.

Section-C

(Marks : 5 × 3 = 15)

Note :- Answer any *three* questions out of five (Answer limit **500** words). Each question carries **5** marks.

Section-A

1. (i) Explain Data Marks.
- (ii) What are components of Warehouse ?

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- (iii) What do you mean about KDD Process ?
- (iv) Define Data Quality.
- (v) What is Random 'Subsampling' ?
- (vi) Explain Bootstrap in brief.
- (vii) What do you know about Frequent Item Set ?
- (viii) Define Association Rule.
- (ix) Define two types of Clustering.
- (x) What do you mean by DBSCAN ?

Section-B

- 2. What is metadata in Data Warehouse ?
- 3. Explain star and snowflake schema.
- 4. Write short notes on the following :
 - (i) Recalling Mean
 - (ii) Median
 - (iii) Mode
- 5. Explain classification analysis and its various type classification techniques.
- 6. Explain in brief the following :
 - (i) Holdout method
 - (ii) Cross validation

Or

Explain density based method.

Section-C

- 7. Explain data warehouse and its features in detail.
- 8. What do you mean by data mining and explain its task.

9. Explain decision tree with example.
10. Write about the following :
 - (i) Frequent item set
 - (ii) Aprox algo with example
11. What is clustering and its type with example ?