

BACHELOR OF COMPUTER APPLICATIONS (C.B.C.S.) (2014 COURSE)
B.C.A. Sem-VI :SUMMER- 2022
SUBJECT : BUSINESS INTELLIGENCE

Day : Saturday
 Date : 11/6/2022

S-11058-2022

Time : 02:00 PM-05:00 PM
 Max. Marks : 60

N.B.

- 1) Attempt **ANY FOUR** questions from Section – I and **ANY TWO** questions from Section – II.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SAME** answer books.

SECTION – I

- Q.1** Explain data preprocessing technique in detail. (15)
- Q.2** Explain different data warehouse schemas with suitable diagram. (15)
- Q.3** Explain KDD process in detail. (15)
- Q.4** How Business Intelligence (BI) is effective for decision makers? Justify your answer with suitable case. (15)
- Q.5** Explain market-basket analysis with example. (15)
- Q.6** Write a note on : (15)
 - a) Data Warehouse Backend Tools
 - b) Classification
 - c) Meta Data

SECTION - II

- Q.7** The following data set represents the information of whether or not to play Golf, for a given set of climatic conditions. (20)

| Outlook | Temperature °C | Humidity | Windy | Class |
|----------------|-----------------------|-----------------|--------------|--------------|
| Sunny | 75 | 70 | true | play |
| Sunny | 80 | 90 | true | no play |
| Sunny | 85 | 85 | false | no play |
| Sunny | 72 | 95 | false | no play |
| Sunny | 69 | 70 | false | play |
| Overcast | 72 | 90 | true | play |
| Overcast | 83 | 78 | false | play |
| Overcast | 64 | 65 | true | play |
| Rainy | 81 | 75 | false | play |
| Rainy | 71 | 80 | true | no play |
| Rainy | 65 | 70 | true | no play |
| Rainy | 75 | 80 | false | play |
| Rainy | 68 | 80 | false | play |

Design different set of values that satisfy the condition about to play Golf.

- Q.8** Write an Apriori algorithm. Explain its steps with suitable example. (20)
- Q.9** What is Data Warehouse? Explain three tier architecture of Data Warehouse. Explain different benefits of Data Warehouse. (20)

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