WEST BENGAL STATE UNIVERSITY

B.A./B.Sc. Honours 5th Semester Examination, 2021-22

CMAADSE03T-COMPUTER APPLICATION (DSE1/2)

DATA MINING

Time Allotted: 2 Hours | Full Marks: 40

The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.
All symbols are of usual significance.

GROUP-A

1. Answer any ***four*** questions from the following: 2×4 = 8

   (a) Explain the difference between data mining and data warehousing.

   (b) What is an output of Apriori Algorithm?

   (c) What is discrete and continuous data in data mining world?

   (d) What are OLAP and OLTP?

   (e) What is knowledge discovery in databases?

   (f) Differentiate between Clustering and Classification.

   (g) What do you understand by predictive data mining?

GROUP-B

Answer any *four* questions from the following 8×4 = 32

2. (a) Explain different data mining tasks. 6

   (b) What does data mining mean? 2

3. (a) What is decision based algorithm? Explain with example. 6

   (b) Write any two application areas of Data Mining. 2

4. (a) Discuss about Regression and Classification. 4

   (b) What is the use of Data Mining queries? 4

5. Discuss the need of human intervention in data mining process. 8

6. (a) What are the different types of association rules? 4

   (b) What are the differences between distributed computing and parallel computing? 4

7. (a) Explain Statistical Procedure Based Approach. 4

   (b) Write down the name of different clustering methods. 4

8. Write the short notes: 2×4 = 8

   (a) Binning

   (b) Regression

   (c) Clustering

   (d) Smoothing.

N.B. : *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

——×——