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SC - 230

Total No. of Pages : 3

SHIVAJI UNIVERSITY, KOLHAPUR

MCA (COMM.) CBCS PART-II SEM-IV

Subject Code : 83621

Subject Name : Web Mining (WM)

Day and Date : Tuesday, 01-08-2023

Total Marks : 70

Time : 02.30 p.m. to 05.30 p.m.

- Instructions :**
- 1) There are seven questions.
 - 2) Question No. 1 and Question No. 7 are compulsory.
 - 3) Attempt any three questions from Question No. 2 to Question No. 6

Q.1 Choose correct alternatives for following questions from options given below. (8)

1) What is a Data Warehouse?

- a) A database designed to handle transactions.
- b) A database designed to support analytical reporting.
- c) A database designed to support operational reporting.
- d) A database designed to support transactional processing.

2) What is ETL?

- a) Extract, Transform, Load.
- b) Extract, Translate, Load.
- c) Extract, Transfer, Load.
- d) Extract, Transcribe, Load.

3) What is an OLAP cube?

- a) A database that is optimized for handling transactions.
- b) A database that is optimized for analytical reporting.
- c) A database that is optimized for operational reporting.
- d) A database that is optimized for both analytical and operational reporting.

4) What is data mining?

4) What is data mining?

- a) A process for extracting information from data using statistical algorithms.
- b) A process for integrating and cleaning data from multiple sources.
- c) A process for querying and analyzing data in a data warehouse.
- d) A process for transforming data into a usable format.

5) What is data scrubbing?

- a) A process for removing duplicates from a database.
- b) A process for removing sensitive information from a database.
- c) A process for cleaning and standardizing data in a database.
- d) A process for optimizing the performance of a database.

6) Web Server Data includes

- a) IP address
- b) page reference
- c) access time
- d) All of the Above

7) Which of the following is an essential process in which the intelligent methods are applied to extract data patterns?

- a) Warehousing
- b) Data Mining
- c) Text Mining
- d) Data Selection

8) What is KDD in data mining?

- a) Knowledge Discovery Database
- b) Knowledge Discovery Data
- c) Knowledge Data definition
- d) Knowledge data house

Q.2 What is Data Warehouse? Explain Data Warehouse design process in detail. (14)

Q.3 What is data mining? Explain architecture of Data mining with appropriate diagram. (14)

Q.4 a) What is Web Mining? Explain applications of Web Mining. (7)

b) Write difference between Data mining and Web mining. (7)

Q. 5 Explain web content mining tool Scrapy with its Features and limitations. (14)

Q.6 a) Explain web usage mining in detail. (7)

b) Explain different types of web mining. (7)

Q. 7 Write short note on any four. (20)

a) OLAP

b) Knowledge discovery in Database

c) Web crawling

d) Link analysis

e) meta

f) data repository

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