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SEAT No. :

P-5976

[Total No. of Pages : 2

[6143]-502

Third Year B.B.A.

**502 : DATABASE ADMINISTRATION AND DATA MINING
(2019 Pattern) (Semester-V)**

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates :

- 1) Answer all the questions.
- 2) Figures to the right indicates full marks.

Q1) A) Solve any 5 out of 6 select the correct option. [5]

- i) A collection of interrelated records is called a _____
 - a) Spreadsheet
 - b) Database
 - c) MIS
 - d) Text file
- ii) A _____ is one or more database actions that are treated as a single unit of work.
 - a) Database Administration
 - b) Database Installation
 - c) Transaction
 - d) None of these
- iii) A _____ is subset of the data warehouse.
 - a) Meta Data
 - b) Data Warehouse
 - c) Data Mart
 - d) Data
- iv) The data is stored, retrieved and updated in _____
 - a) OLAP
 - b) OLTP
 - c) SMTP
 - d) FTP
- v) What is KDD in data mining?
 - a) Knowledge Discovery Database
 - b) Knowledge Discovery Data
 - c) Knowledge Data Definition
 - d) Knowledge Data House
- vi) _____ level is the lowest level of abstraction.
 - a) Logical
 - b) File
 - c) Concept
 - d) Physical

P.T.O.

B) Match the pairs.

- a) Data integrity
- b) Data availability
- c) Data Security
- d) Data independence

- i) Data acquisition by the system
- ii) Sharing of a database by current and future applications
- iii) The correctness of the data in the database.
- iv) Protective digital privacy measures

[4]

C) State true or false.

- a) "Compensated" is a state of transaction.
- b) The full form of DDL is Data Definition Language.
- c) The "all-or-none" property is commonly referred to as Isolation.
- d) Facebook uses "Big Data" to perform the concept of flashback.
- e) Descriptive analytics tells you what happened in the past.

[5]

Q2) Short Answers (Attempt any 3 out of 4)

[24]

- a) What is DBMS? State characteristics of DBMS.
- b) Explain ACID properties in detail.
- c) Explain OLTP.
- d) What is cloud computing? Write advantages and disadvantages of cloud computing.

Q3) Long Answers (Attempt any 2 out of 4)

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- a) What is data warehouse? Explain data warehouse components.
- b) Explain role and responsibilities of DBA.
- c) Describe KDD process with neat diagram.
- d) Explain the 3-tier architecture of DBMS.

