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SEAT No. :

PC1127

[Total No. of Pages : 3

[6316]-302

T.Y.B.B.A.

502 : DATABASE ADMINISTRATION AND DATA MINING

(2019 Pattern) (Semester - V)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) All questions are compulsory.*
- 2) Figures to the right indicate full marks.*

Q1) A) Select the correct option.

[5]

- a) _____ is a shared collection of related data.
- | | |
|---------------|---------|
| i) DDL | ii) DML |
| iii) Database | iv) DBA |
- b) A _____ is one or more database actions that are treated as a single unit of work.
- | | |
|----------------------------|---------------------------|
| i) Database Administration | ii) Database Installation |
| iii) Transaction | iv) None of these |
- c) Data Analysis is a process of _____
- | | |
|----------------------------|-------------------------|
| i) Cleaning the data | ii) Inspecting the data |
| iii) Transforming the data | iv) All of the above |
- d) Cloud computing is the delivery of _____ computing services.
- | | |
|----------------|-----------------------|
| i) On-demand | ii) Sophisticated |
| iii) Selective | iv) None of the above |
- e) _____ is not a transaction state.
- | | |
|-------------|-------------------------|
| i) Active | ii) Partially committed |
| iii) failed | iv) compensated |

P.T.O.

B) Match the Pairs :

[5]

- | | |
|---|---|
| a) The design of a database at physical level | i) Physical schema |
| b) Design of database at logical level | ii) View schema |
| c) Design of database at view level | iii) Database modifications must follow “all or none” rule. |
| d) It provides graphical view of the entire database architecture and structure | iv) Logical Schema |
| e) Atomicity | v) Schema |

C) State True or False:

[5]

- a) Prescriptive analytics helps to answer the questions ‘what will happen in the future’
- b) View level is the highest level of data abstraction in database.
- c) Source data is the component of Data warehouse.
- d) A transaction that has not been completed successfully is called as Aborted transaction..
- e) The full form of DML is Data Managing language.

D) Answer in One Sentence:

[5]

- a) What is transaction?
- b) What is database?
- c) What is the full form of ETL?
- d) What is data Cleaning?
- e) What is the full form of OLAP?

Q2) Write Long Answers (Attempt any 3 out of 4): **[30]**

- a) Explain advantages and disadvantages of Data analytics.
- b) Explain need and purpose of Data warehouse.
- c) Explain ACID Properties in detail.
- d) Describe the organization and components of DBMS with example.

Q3) Write Short Notes (Attempt any 4 out of 5): **[20]**

- a) What is data abstraction? Explain three levels of abstraction in detail.
- b) What is the primary job of DBA?
- c) What is Data warehouse? Explain advantages and disadvantages of Data warehousing?
- d) Explain Applications of cloud computing.
- e) Explain applications of Database System.

