

Total No. of Questions : 3]

SEAT No. :

P-1878

[Total No. of Pages : 3

[6033]-502

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) Solve any 5 out of 6. Select the correct option.

[5]

- i) Data Analysis is a process of _____.
 - a) Cleaning the data
 - b) Inspecting the data
 - c) Transforming the data
 - d) All of the above
- ii) The “all or none” property is commonly referred to as _____.
 - a) Isolation
 - b) Atomicity
 - c) Durability
 - d) None of the above
- iii) A data warehouse is _____.
 - a) Updated by end users
 - b) Organized around important subject area
 - c) Collection of various naming conventions and formats
 - d) Collection of only current data

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- iv) _____ type of cloud service provides hardware as well as software to build application.
- a) IaaS
 - b) PaaS
 - c) SaaS
 - d) All of the above
- v) _____ design is both software and hardware independent.
- a) Conceptual
 - b) Physical
 - c) Logical
 - d) None of the above
- vi) _____ task of data mining identifies the relationships between objects.
- a) Classification
 - b) Association
 - c) Clustering
 - d) Prediction

B) Match the following : [4]

- | | |
|-----------------------|--|
| i) Data Availability | a) Protective digital privacy measures |
| ii) Data Integrity | b) Data acquisition by the system |
| iii) Data Security | c) Sharing of a database by current and future applications. |
| iv) Data Independence | d) Correctness of data in the database |

- C) State True or False : [5]
- i) Data warehousing system focuses on Data In.
 - ii) View level is the highest level of data abstraction in database.
 - iii) Prescriptive analytics helps to answer the questions 'what will happen in the future'.
 - iv) Dependent Data marts are sourced directly from enterprise data warehouse.
 - v) End users are not aware about the presence of database system.

Q2) Write Short Answers (Attempt any 3 out of 4) : [24]

- a) What is data abstraction? Explain three levels of abstraction in detail.
- b) What is transaction in database management system? Explain states of transaction.
- c) What is cloud computing? Explain types of cloud services.
- d) Write applications of Data warehousing?

Q3) Write Long Answers (Attempt any 2 out of 4) : [32]

- a) List advantages and disadvantages of Data Mining.
- b) Explain three tier architecture of Data Warehouse.
- c) What is DBA? Explain responsibilities of DBA.
- d) Describe types of DBMS.

