[6225]-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 5 select the correct option.**   **[5]**

    i)   Collections of operations that from a single logical unit of work are called_____

        a)   Views   b)   Networks

        c)   Units   d)   Transactions

    ii)   Data Analysis is a process of _____

        a)   Inspecting data   b)   Cleaning data

        c)   Transforming data   d)   All Above

    iii) How many categories of functions involved in Data Mining?

        a)   2   b)   3

        c)   4   d)   5

    iv) Which one of the following options can be considered as the cloud?

        a)   Hadoop   b)   Intranet

        c)   Web Application   d)   All of these

    v)   Which of the following is related to the services provided by cloud?

        a)   Sourcing   b)   Ownership

        c)   Reliability   d)   PaaS

P.T.O.

B) Match the Following : [5]

i)	Big Data	a)	Accuracy, completeness, consistency, and validity of an organization's data.
ii)	Data Security	b)	A real world Object.
iii)	Data Integrity	c)	same data resources available to multiple applications, users.
iv)	Entity	d)	The biggest phenomenon that has captured the attention of the modern industry since today "Internet" is Big Data.
v)	Data Sharing	e)	Protective Digital Policy

C) Answer in one Sentence : [5]

    i)   What is File?

    ii)   What is Data Cleaning?

    iii)   What is Data Analytics?

    iv)   What is the full form of OLAP?

    v)   What is Big Data?

D) Fill in the Blanks [5]

    i)   Data warehouses hold _____ type of data.

    ii)   _____is fundamental unit for a multidimensional database.

    iii)   _____ is the first activity in data mining.

    iv)   The process of conversion of range of data is _____

    v)   Reducing the number of attributes of data is _____

Q2) Write Long Answers (Solve any 3 Out of 5) [3 × 10 = 30]

    i)   What are the objective and purpose of DBMS?

    ii)   What is data analysis? Write purpose of Data Analysis.

    iii)   Define Data Warehousing concepts in detail with Example.

    iv)   What are the ACID properties of Transaction?

    v)   What are the need and Advantages of Cloud Computing?

Q3) **Write short Note on any 4 out of 6.**   **[4 × 5 = 20]**

    i)   Relational Database

    ii)   Iaas

    iii) File

    iv) Logical Data Model

    v)   DBA Responsibilities

    vi) Data Analysis

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