



**PBC-E5031**

Seat No. \_\_\_\_\_

**M. C. A. (Sem. V) (CBCS) Examination**

**November / December - 2018**

**E5031 : Data Warehousing Data Mining**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

- 1 (a) Attempt the following objective question : 4
- (1) DSS stands for \_\_\_\_\_
  - (2) The decision support system is used only for \_\_\_\_\_
  - (3) The \_\_\_\_\_ data are stored in data warehouse.
  - (4) Full form of OLAP.
- (b) Attempt any **one** from the following : 2
- (1) Define Data Mining.
  - (2) Define Metadata.
- (c) Attempt any **one** from the following : 3
- (1) Difference between operational and informational system.
  - (2) Write steps for developing DW architecture.
- (d) Attempt any **one** from the following : 5
- (1) Explain characteristics of DW.
  - (2) Explain architectural component of Data Warehouse.
- 2 (a) Attempt the following objective question : 4
- (1) Extract Transform and Loading.
  - (2) Data about data is called \_\_\_\_\_
  - (3) The data mart follows \_\_\_\_\_ structure
  - (4) \_\_\_\_\_ Key is relating the fact table to the dimensions.

- (b) Attempt any **one** from the following : **2**
- (1) List out types of OLAP.
  - (2) What is ETL?
- (c) Attempt any **one** from the following : **3**
- (1) Describe usage of Data Mart.
  - (2) Difference between OLAP and OLTP.
- (d) Attempt any **one** from the following : **5**
- (1) Explain OLAP in brief with its type.
  - (2) Explain Data Mart Structure in detail.
- 3** (a) Attempt the following objective question : **4**
- (1) The next stage to data selection in KDD process \_\_\_\_\_
  - (2) The process of knowledge discovery from data is called \_\_\_\_\_
  - (3) Removing duplicate records is a process called \_\_\_\_\_
  - (4) The synonym of data mining is \_\_\_\_\_
- (b) Attempt any **one** from the following : **2**
- (1) List out stages of KDD Process.
  - (2) What is Data Mining?
- (c) Attempt any **one** from the following : **3**
- (1) How to build Data Mining Model?
  - (2) Define Correct Data, Discover Knowledge and Visualize data.

- (d) Attempt any one from the following : **5**
- (1) Explain KDD process in detail.
  - (2) Explain foundation of data mining.
- 4** (a) Attempt the following objective question : **4**
- (1) Generic algorithm was proposed by \_\_\_\_\_
  - (2) In generic algorithm the problem is considered in terms of \_\_\_\_\_
  - (3) The structure of neural network is represented as \_\_\_\_\_
  - (4) \_\_\_\_\_ could generate rule automatically.
- (b) Attempt any **one** from the following : **2**
- (1) What is Regression?
  - (2) Define: Correlation.
- (c) Attempt any **one** from the following : **3**
- (1) Explain partitional algorithm.
  - (2) Describe machine learning.
- (d) Attempt any **one** from the following : **5**
- (1) Explain Hierarchical algorithm and K-means clustering.
  - (2) Describe neural network in detail.
- 5** (a) Attempt the following objective question : **4**
- (1) Full form of ARFF
  - (2) Associate
  - (3) Cluster
  - (4) New Zealand

- (b) Attempt any **one** from the following : **2**
- (1) Define WEKA.
  - (2) How to launch WEKA explorer?
- (c) Attempt any **one** from the following : **3**
- (1) Write a short note on WEKA.
  - (2) Explain how to set test option?
- (d) Attempt any **one** from the following : **5**
- (1) Describe implementation of data set into WEKA.
  - (2) Explain analysis of data using WEKA.
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