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**BCA(VI) — Data
Mining (603)
DSE – 3**

2020

Time : 3 hours

Full Marks : 70

*Candidates are required to give their answers in
their own words as far as practicable.*

The figures in the margin indicate full marks.

*Answer from **all** the Groups as directed.*

Group – A

(Compulsory)

1. Choose the correct answer from the following
objective type questions : $2 \times 10 = 20$

(a) A goal of data mining includes which of the
following :

- ✓ (i) To explain some observed event or
condition

- (ii) To confirm that data exists
 - (iii) To analyze data for expected relationship
 - (iv) To create a new data warehouse
- (b) Background knowledge referred to :
- (i) Additional acquaintance used by a learning algorithm to facilitate the learning process
 - (ii) A neural network that makes use of hidden layre
 - (iii) H is a farm of automatic carring
 - (iv) None of these
- (c) The problem of finding hidden structure in unlabled data is called :
- (i) Supervised learning

☒ (ii) Unsupervised learning

(iii) Reinforcement learning

(iv) None of these

(d) Discriminating between spam and ham e-mails is a classification task.

☒ (i) True

(ii) False

(e) Which of the following is not involve in data mining ?

(i) Knowledge extraction

(ii) Data archaeology

(iii) Data exploration

☒ (iv) Data transformation

(f) Which of the following issue is considered before investing in Data Mining ?

(i) Functionality

(ii) Vendar Consideration

(iii) Compatibility

☒ (iv) All of these

(g) A defination of a concept is if it recognizes
all the instances of that concept :

☒ (i) Complete

(ii) Consistent

(iii) Constant

(iv) None of these

(h) E-R model uses thes symbol to represent
weak entity set.

(i) Dotted rectangle

(ii) Diamond

☒ (iii) Doubled outlined rectangle

(iv) None of these

(i) Relational Algebra is :

(i) Data Definition Language

(ii) Meta Language

☒ (iii) Procedural query language

(iv) None of these

(i) Key to represents relationship between tables is called :

☒ (i) Primary key

(ii) Secondary key

(iii) Foreign key

(iv) None of these

Group – B

Answer any four questions of the following :

5×4 = 20

2. How to classify various data mining systems ?

3. What do you mean by Association Rule Mining ?
4. What are Data Mining Task Primitives ?
5. Briefly explain OLAP.
6. How to evaluate the accuracy of a classifier ?
7. What are the social impact of Data Mining ?

Group – C

Answer any two question of the following :

$15 \times 2 = 30$

8. What are the major issues in Data Mining ?

Explain in details.

9. What is Data Preprocessing ? Write and explain the steps of data preprocessing.

10. What is Classification ? Write and explain the decision tree induction method.

11. Write the major application of Data Mining in today's world.

