ROLL NO.

Code: AT19 Subject: DATA WAREHOUSING AND DATA

## **AMIETE - IT (OLD SCHEME)**

NOTE: There are 9 Questions in all.

**Time: 3 Hours** 

OCTOBER 2012

Max. Marks: 1

- Question 1 is compulsory and carries 20 marks. Answer to Q.1 must be written in the space provided for it in the answer book supplied and nowhere else.
- The answer sheet for the Q.1 will be collected by the invigilator after 45 Minutes of the commencement of the examination.
- Out of the remaining EIGHT Questions answer any FIVE Questions. Each question carries 16 marks.
- Any required data not explicitly given, may be suitably assumed and stated.

Any required data not explicitly given, may be suitably assumed and stated.				
Q.1	Choose the correct or the best alternative in the following:			
a.	Retrieval of task relevant data in Data Mining is called			
	<ul><li>(A) Data selection</li><li>(C) Data integration</li></ul>	<ul><li>(B) Pattern presentation</li><li>(D) Task data</li></ul>		
b.	Data mining is a synonym for			
	(A) DBMS (C) KDD	<ul><li>(B) RDBMS</li><li>(D) Statistical Analysis</li></ul>		
c.	Boosting applies to			
	<ul><li>(A) Predictive data mining</li><li>(C) Statistical learning</li></ul>	<ul><li>(B) Data warehousing</li><li>(D) Learning</li></ul>		
d.	Subset of data warehouse is			
	<ul><li>(A) data mart</li><li>(C) data model</li></ul>	<ul><li>(B) database</li><li>(D) meta data</li></ul>		
e.	Which of the following is not an OLAP operation?			
	(A) slice	<b>(B)</b> dice		

(A) slice (B) dice (C) roll-up (D) union

f. Tree pruning methods are used in

(A) classification (B) clustering

(C) data cleaning. (D) pattern recognition

g. The normalized schema is called

AT19 / OCTOBER - 2012

1

AMIETE - IT (OLD SCHEME)

- b. Explain update-driven approach and query-driven approach for integrating multiple heterogeneous information sources. **(8)**
- a. Define data cleaning. How do you take care of missing values & noise in Q.5 data cleaning? **(8)** 
  - b. Explain the different strategies for data reduction & data integration. **(8)**

**(8)** 

Code:	ΑT	ROLL NO.  19 Subject: DATA WAREHOUSING AND DATA	4×2)
Q.6	a.	Explain the following OLAP operations with an example of each:  (i) Pivot  (ii) Slice and Dice.	4×2) COM
	b.	Differentiate between Characterisation and Clustering.	(8)
Q.7	a.	What is external / unstructured data? Explain how such data is stored in data warehouse.	a (8)
	b.	What is the importance of metadata? Explain various components of Metadata.	of (8)
Q.8	a.	Explain the significance of feedback loop for the success of dat warehouse implementation.	ta <b>(8)</b>
	b.	What is EIS? List some of the typical uses of EIS.	(8)
Q.9	a.	Explain one data mining issue that, may have a strong impact on the market and on the society.	ne (8)

b. Explain data migration methodology with the help of a block diagram.