

DHARMSINH DESAI UNIVERSITY, NADIAD **FACULTY OF TECHNOLOGY B.TECH. SEMESTER VII [I.T]**

SUBJECT: (IT-704) Data Analysis & Information Extraction

: Block Sessional Seat No. Examination

Date : 17/10/2014 Day : Friday Time : 3:00 to 4:15 Max. Marks : 36

INSTRUCTIONS:

- Figures to the right indicate maximum marks for that question.
- The symbols used carry their usual meanings.
- Assume suitable data, if required & mention them clearly.
- Draw neat sketches wherever necessary.

Q.1	Do as directed.	[2]
	(a) What is a cluster analysis? A clustering in data-mining is an unsupervised learning. : Justify	[2]
	(b) Differentiate between query-driven approach and update-driven approach	[2]
	(c) What is bagging and boosting? Explain with example.	[2]
	(d) What do you mean by subject-oriented data in a data warehouse?	[2]
	(e) Define data mining.	[2]
	(f) Why do we require separate data warehouse?	[2]
Q.2	Attempt <i>Any Two</i> from the following questions.	[12]
	(a) Explain Bayesian Classification Technique.	[6]
	(b) Explain BIRCH & CURE algorithm.	[6]
	(c) Explain any two partitions based clustering technique.	[6]
Q.3	(a) Explain KDD process with figure.	[6]
Q.	(b) Explain various types of concept hierarchy.	[6]
OR		
Q.3	(a) Differentiate between OLTP & OLAP.	[6]
-	(b) Explain various technique of dimension reduction.	[6]