

(OLD COURSE)

(3 Hours)

Total Marks: 100

- Instructions: - 1) Question No 1 is compulsory; solve any 4 questions from remaining 6 question.
 2) Assume suitable data wherever necessary.
 3) Figures to the right indicate full marks.

1.a.Explain KDD process?	5
b.Explain Web usage Mining ?	5
c.Give Snowfalke schema for Sales of a Product ,Assume suitable dimensions	5
d.Difference between OLTP & OLAP	5
2a.Explain metadata and its various types	10
b.Explain Data Warehouse Architecture	10
3a.Explain Hierarchical Clustering methods?	10
b.Explain how HITS algorithm finds hubs and Authoritive pages	10
4a.Explain various OLAP operations	10
b. Explain ID3 algorithm ?Also mention its advantages and disadvantages?	10
5a.Explain Classification Algorithm?	10
b. Explain ETL Process	10
6a.Explain Crawlers and its Types?	10
b.What is Association Rule? Explain Apriori Algorithm with example?	10
7.Write Short notes on (Any Four)	20
a. DMQL	
b. Iceberg Queries	
c. Temporal Data Mining	
d. Information Package Diagram	
e. Data Mart	