Day	:	Thursday		Time :	03.00 PM TO 06.00 PM
Date	:	02/05/2019	S-2019-1257	Max. Marks : 60	

N.B.:

1)   All questions are **COMPULSORY**.

2)   Figures to the right indicate **FULL** marks.

Q.1   What is online analytical processing? What are the activities of online analytical processing? Explain types of online analytical processing.   **(15)**

OR

What is association rule mining? Explain Apriori algorithm. State advantages and disadvantages of Apriori algorithm.

Q.2   A)   Answer **ANY ONE** of the following   **(08)**

i)   Discuss Bayes theorem.

ii)   Explain FP Growth algorithm.

Q.2   B)   Answer **ANY ONE** of the following   **(07)**

i)   Explain star schema approach.

ii)   Discuss applications of data mining in banking and finance sectors.

Q.3   Answer **ANY THREE** of the following   **(15)**

a)   What are social impacts of data mining?

b)   Explain data mining tasks.

c)   Differentiate between OLAP and OLTP.

d)   Discuss applications of clustering.

e)   Explain features of data warehouse.

Q4.   Write short notes on **ANY THREE** of the following   **(15)**

a)   Classification method

b)   Applications of frequent item set

c)   Architecture of data warehouse

d)   Pattern matching

e)   Web mining

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