

B.Sc. (I. T.) Sem. - VI (2011 Course) : SUMMER - 2019
SUBJECT: ELECTIVE : DATA WAREHOUSING & DATA MINING

Day: Monday
Date: 20/05/2019

Time: 10.00 am to 12.00 Noon
Max Marks: 40

S-2019-1316

N.B. :

- 1) Attempt **ANY FOUR** questions.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw appropriate figures wherever necessary.
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Q.1 a) Explain Data Warehouse in detail. **(06)**

b) Explain Role of Business Intelligence in Data Warehouse **(04)**

Q.2 a) What are the various design and implementation issues of OLTP? **(04)**

b) Explain materialized view with an example. **(06)**

Q.3 The college wants to record the marks for the courses completed by students using the dimension: **(10)**

- i)** Course
- ii)** Student
- iii)** Time and a measure Aggregate marks

Create a Cube and describe following OLAP operations:

- i)** Slice
- ii)** Dice
- iii)** Roll Up
- iv)** Drill Down
- v)** Pivot

Q.4 What is clustering? Explain any two clustering algorithm. **(10)**

Q.5 Write short notes on: **(10)**

- a)** OLTP Vs OLAP
- b)** Data Warehouse Vs Data Mart

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