**Paper Code:** TIT 851

**Mid Term Examination (2019-20)**

**B.Tech. (CSE-8th Semester)**

Business Intelligence

**Submission deadline:** As Per Notification in Departmental Website

**Set 1 (CSE-Section A)**

MM: 15

Q-1 What is your understanding of Business Analytics? Explain it.

Q-2 Explain OEM (Object exchange model) with the help of example?

Q-3 What is Business Intelligence? Why is BI required by Business?

**Set 2 (CSE-Section B)**

MM: 15

Q-1 What is your understanding of the connected world? Explain

Q-2 How is OLTP different from ERP? Explain it.

Q-3 Can the terms BI and data warehouse be used interchangeably? Justify your answer

**Set 3 (CSE-Section C)**

MM: 15

Q-1 What is semi structured data? List three sources of semi structured data.

Q-2 Explain the slice and dice operations on data using an example.

Q-3 How is MOLAP different from ROLAP.

**Set 4 (CSE-Section D)**

MM: 15

Q-1 Web pages are said to be unstructured data even though they are defined by the HTML markup language which has a rich structure. Why?

Q-2 State the difference in data model for OLTP and OLAP.

Q-3 State two advantages and disadvantages of ROLAP.

**Set 5 (CSE-Section E)**

MM: 15

Q-1 State two ways in which we can extract information from structured data.

Q-2 Explain the drill through and drill across operations using an example.

Q-3 Explain with an example the terms Aggregations and Summarizations.

**Presentation Topics (10 Marks)**

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| **Section** | **Presentation Topics** | **Class Roll No.** |
| CSE-A | Types of Decisions Supported by BI | 1-15 |
| Object exchange model | 16-33 |
| Business Intelligence | 34-48 |
| Object Exchange Model for storing and Exchanging semi structured data | 49-64 |
| CSE-B | Enterprise resource planning (ERP) | 1-18 |
| Data warehouse | 19-33 |
| Semi Structured Data | 34-48 |
| OLAP operations SLICE and DICE | 49-63 |
| CSE-C | ROLAP | 1-15 |
| Unstructured Data | 16-30 |
| OLTP Vs OLAP | 31-45 |
| MOLAP | 45-62 |
| CSE-D | Structured Data | 1-15 |
| OLAP Operations Drill Through and Drill Across | 16-30 |
| Aggregation and Summarization of data | 31-45 |
| Types of Digital Data | 46-60 |
| CSE-E | XML a solution for Semi Structured Data | 1-15 |
| Unstructured Information Management Architecture | 16-30 |
| Multidimensional data Modeling | 31-45 |
| Different OLAP Architectures | 46-50 |