



MANIPAL INSTITUTE OF TECHNOLOGY (Constituent Institute of Manipal University) MANIPAL-576104



SEVENTH SEMESTER B.E. (CSE) DEGREE MAKE-UP EXAMINATION JAN 2013

BUSINESS INTELLIGENCE AND APPLICATIONS -ELECTIVE (CSE-405.4)
DATE: 03-01-2013

TIME: 3 HOURS

MAX.MARKS: 50

Instructions to Candidates

• Answer any five full questions.

1.	A) With example explain the types and characteristics of digital data B) Define BI. Explain BI framework C) Mention different types of BI users.	[4] [5] [1]
2.	A) Explain business applications of BI with examples.B) Why data integration is required? Illustrate.C) Describe the types of dataware house designing.	[2] [4] [4]
3.	A) Describe E-T-L process used in data integration. B) Explain metadata with reference to BI. C) Mention the tools available for data modelling .	[4] [4] [2]
4.	A) Design a retail chain application of BI using MBQ model.B) Differentiate star and snowflake schema with example.C) What is factless fact table? Give an example.	[5] [3] [2]
5.	A) What is data integration? Explain 2 main approaches to data integration.B) Explain the sources of business metrics and KPI.C) With an example explain the components of good metric system.	[4] [3] [3]
6.	A) Mention the characteristics of enterprise reporting. B) Illustrate how Balanced Score card as a management system. C) Differentiate dash boards with score cards.	[3] [4] [3]