

BE/Insem.-68**BE (2012 course) In semester examination****Elective II: Business Intelligence(2012)(414457A)****(Semester -I)****Time: 60 minutes (as per syllabus)****Max. Marks : 30****Marking Scheme**

Q.1 a) Diagram of DW Architecture 2 Marks
Explanation of DW Architecture (Source, ETL, End users..)4 Marks

b) Definition of Business Intelligence.....1 Mark
Explain role of data warehouse in Business Intelligence..... 3 Marks

OR

Q.2 a) OLAP with its operation and suitable examples:

- i) Slice 3Marks
- ii) Roll-up 3 Marks

b) Concept of Data 1 Mark
Information 1 Mark
Knowledge in KDD process with suitable example.....2 Marks

Q.3 a) Semi-additive 2 Marks (Explanation & Example),
Additive2 Marks (Explanation & Example)
Non additive facts....2 Marks (Explanation & Example)

b) Slowly Changing Dimensions..... 2Marks
Conformed Dimensions..... 2Marks

OR

Q.4 a) Short note on

- i) Dimensional modeling hierarchy..... 2 Marks
- ii) Many-to-many dimensional relationship..... 2Marks

b) Atleast 2 schemas should explain. Each schema 3 marks

Q.5 a) Short notes on: (Any three) Each one2Marks

- i) Data Quality
- ii) Data Profiling
- iii) Data Enrichment
- iv) Data Staging Area

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b) Data Mart explanation with diagram 4 Marks

OR

Q.6 a) Diagram of ETL architecture 2Marks,
Components of ETL architecture.... 4Marks

b) Definition and explanation of Change Data Capture....2 Marks
Explanation of extraction process in ETL.....2 Marks