

Exam.Code:0999
Sub. Code: 7302

2074
M.E. (Computer Science and Engineering)
First Semester
Elective - I
CS-8107: Business Intelligence
(For UIET)

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. 1 (Section-A) which is compulsory and selecting two questions each from Section B -C

x-x-x

Section -A

- Q 1(a) Illustrate the characteristics of strategic decision making. (10)
(b) List the BI Infrastructure components.
(c) What are Fish Bone diagrams?
(d) What is supply metric chain?
(e) Is there any limit on Master, Inverter and Reducer machines in Map reduce architecture?

Section -B

- Q2 What are main components of a BI framework? Explain each layer and its components in detail. (10)
Q3 (a) Illustrate the main issues in implementation of technologies used in data integration. (5)
(b) Describe the multi stage and pipelined data transformation in detail. (5)
Q 4 (a) What is fact constellation schema? Draw a star schema diagram for maintaining the Library Management System data warehouse (7)
(b) What are the features of SQL Server Analytical services? (3)

Section -C

- Q5 Illustrate the GQMM. Compare and contrast it with supply metric chain. (10)
Q6 (a) Describe the applications for which traditional distributed systems are not good. How BIG data technologies provide solutions to these applications. (5)
(b) How NoSQL databases are different from RDBMS? Compare and contrast different types of NoSQL databases. (5)
Q7 (a) Describe the JSON architecture in detail. Explain the main components. (6)
(b) What are balanced score cards? Compare these with dashboards. (4)

x-x-x