Code No: 155ER **R18**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech III Year I Semester Examinations, January/February - 2023
DATA WAREHOUSING AND BUSINESS INTELLIGENCE
(Computer Science and Engineering – Data Science)

Time: 3 Hours **Max. Marks: 75**

Note: i) Question paper consists of Part A, Part B.
ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.
iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART – A

(25 Marks)

1.a)	Define data warehouse.	[2]
b)	Give example for galaxy schema.	[3]
c)	What is meant by business intelligence?	[2]
d)	How to derive knowledge form data?	[3]
e)	What benefits does successful BI implementation bring?	[2]
f)	Give the BI architecture.	[3]
g)	What is mobile BI?	[2]
h)	What is a social network?	[3]
i)	What are the levels of BI integration?	[2]
j)	List the managerial issues related to BI implementation.	[3]

PART – B

(50 Marks)

2. Make a comparison of online transaction processing and online analytical processing. [10]

OR

3. Illustrate typical OLAP operations with necessary data in data cubes. [10]

4. Examine the factors driving the importance of business intelligence and its impact on industry. [10]

OR

5.a) Describe business intelligence life cycle.
b) How to achieve data quality for business intelligence? [5+5]

6. Describe the steps in business intelligence implementation. [10]

OR

7. Depict the cyclic process of intelligence creation in business intelligence. [10]

8. What is big data? Discuss the challenges in handling big data in implementation of business intelligence for an organization. [10]

OR

9. Make a comparison of the features of business intelligence tools Pentaho with KNIME. [10]

10. Describe connecting BI system to database and enterprise systems with the help of an example scenario. [10]

OR

11. What are the legal issues and privacy issues in business intelligence implementation? Explain with illustrative examples. [10]

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