H   Roll No. ....

TBC–604

B. C. A. (SIXTH SEMESTER)
MID SEMESTER
EXAMINATION, April, 2023

FUNDAMENTALS OF DATA ANALYTICS

Time : 1½ Hours

Maximum Marks : 50

Note : (i) Answer all the questions by choosing any *one* of the sub-questions.

(ii) Each question carries 10 marks.

1. (a) What are the challenges of conventional system. How can they be resolved ? (CO1)

OR

(b) What are the job responsibility and skills required for Data Analyst, Data Scientist and Data Engineer ?   (CO1)

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(2)

2. (a) What is population, sample and re-sampling. Discuss with an example. (CO2)

OR

(b) Discuss CAP theorem ? (CO1)

3. (a) Discuss the various phases of data analytics life cycle. (CO1)

OR

(b) What are 5 V of Big Data ? (CO1)

4. (a) Discuss the various sources of Big Data ? (CO1)

OR

(b) What is regression and discuss various types of regression ? How prediction error is calculated in logistic regression ? (CO2)

5. (a) Discuss the various types of No-SQL data models. (CO2)

OR

(b) What is No SQL ? How does it differ from RDBMS ? (CO2)