H   Roll No. ....

TMC–307

M. C. A. (THIRD SEMESTER)

MID SEMESTER EXAMINATION, 2022

BIG DATA ANALYTICS AND

VISUALIZATION

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 is Big Data and where does it come from ? How does it work ?

10 Marks (CO1)

OR

(b) Explain 5Vs of Big data. 10 Marks (CO1)

2. (a) Explain the difference between regular file system and HDFS with appropriate example. 10 Marks (CO2)

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OR

(b) What is map-reduce ? Explain its working.

10 Marks (CO2)

3. (a) Differentiate between structured, semi-structured and unstructured data with suitable examples. 10 Marks (CO1)

OR

(b) Explain how big data and hadoop are related to each other. 10 Marks (CO1)

4. (a) How big data analytics is useful in increasing business revenue ? Explain with suitable example. 10 Marks (CO2)

OR

(b) Explain the steps to be followed to deploy a big data solution. 10 Marks (CO2)

5. (a) Explain different methods of capturing big data. 10 Marks (CO1)

OR

(b) Discuss challenges of big data with respect to storing, processing and analyzing.

10 Marks (CO1)

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