

Code No: 874AC**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA IV Semester Examinations, March/April - 2023****BIG DATA ANALYTICS****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) Explain about unstructured data. [5]
- b) Discuss about convergence of IT and analytics. [5]
- c) What are HDFS commands? Explain. [5]
- d) Give an overview of Hadoop. [5]
- e) Explain about sentiment analysis in detail. [5]

PART – B**(50 Marks)**

2. Describe evolution, definition, and challenges of big data in detail. [10]
- OR**
- 3.a) Explain about data science and data scientist.
- b) Discuss about BASE and few top analytics tools. [5+5]
4. Explain in detail about types of analytics. [10]
- OR**
5. What are analytical approaches? Explain about history of analytical tools. [10]
6. Explain about architecture, storing with big data, operation, and installation of HBase. [10]
- OR**
7. Discuss in detail about the MapReduce framework. [10]
8. Describe various features of NoSQL in detail. [10]
- OR**
9. Explain about processing data with Hadoop in detail. [10]
10. Explain the following:
 - a) Performing mobile analytics
 - b) Online social media analysis. [5+5]
- OR**
11. Explain the following:
 - a) Challenges of mobile analytics
 - b) Text mining process. [5+5]

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