



RAN-2608000606030010

T.Y.B.Com. (Data Science) (NCF-NEP) (Sem. VI) Examination March - 2026 Minor - Introduction to Big Data Analysis (Theory)

Time: 1.30 Hours]

[Total Marks: 35

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book.	Seat No.: <table border="1"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table> Student's Signature						

- Q.1. Answer the following questions (Any Five) 10**
- List characteristics of Big Data.
 - What is HDFS?
 - State four key features of NoSQL databases.
 - Define 'Concept Drifting' in the context of data streams.
 - What is a default size of HDFS block?
 - What is MapReduce?
 - Explain 'Implicit Filtering' in Data Stream Management Systems.
- Q.2. A. Explain advantages and Disadvantages of Hadoop. 07**
- OR**
- A. Discuss types of Big-Data. 07**
- B. Case study: Discuss "How big data analysis helps Flipkart to enhance customer service?" 06**
- Q.3. Answer the following questions in detail (Any Two) 12**
- Why is NoSQL preferred for Big Data management? Explain with five reasons.
 - Explain the Streaming Data Architecture and its core components
 - Differentiate SQL and NoSQL databases.