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## CS415(JOEL01) (R20)

## B.TECH. DEGREE EXAMINATION, MAY-2024

Semester VII [Fourth Year] (Supplementary)

## BIG DATA PROCESSING

Maximum Marks: 70

Answer Question No.1 compulsorily.  $(14 \times 1 = 14)$ Answer One Question from each unit.  $(4 \times 14 = 56)$  Time: Three hours

| <ul><li>(1) Write how to script with pig latin?</li><li>(m) Why Pig is faster than Hive?</li><li>(n) Write the differences between HBase and Hive.</li></ul> | <ul> <li>(i) What are materialized views in NoSQL?</li> <li>(k) Write syntax for Bag in PIG.</li> </ul> | <ul> <li>(g) What is the use of sorting and joins.</li> <li>(h) List he advantages of NoSQL over SQL.</li> <li>(i) What are aggregate data models?</li> </ul> |                  | <ul><li>(c) Write about challenges with Big Data?</li><li>(d) List building blocks of Hadoop systems.</li></ul> | <ul><li>(a) Write the characteristics of the converge of Big</li><li>(b) Write down the four computing resources of Big</li><li>Data Storage.</li></ul> | 1. Answer the following: |
|--|---|---|------------------|---|---|--------------------------|
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(OR)

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(a) Explain the classification of Digital Data.(b) How do you analyse the data in Hadoop.Explain the concept of read and write in

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| (OR)   | 9. (a) Describe the features of Zookeeper. (b) What is HBASE? Give detailed note on features of HRASE |           | ****   | CS415(JOE   |      |      |   |      |            |  |      |      |  |      |       |   |          |   |
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| List and explain the important features of Hadoon. |   | UNIT – II |        | framework, Explain 'Man Phase' and 'Comhiner Phase' |      | (OR) | Describe the working of Map reduce with a relevant example. |      | UNIT – III | (a) Illustrate the key value pairs in data architectural patterns with an example. |      | (OR) | Explain about NoSQL data store and its characteristics |      | VI-IV | What is Pig Latin and specify its role in Hadoop? |          |   |
| 3. (a)   | (b)   |           | 4. (a) | 9   |      |      | 5. (a)  | (b)  |            | 6. (a)   | (P)  |      | 7. (a)   | (b)  |       | (a)   | (b)      |   |
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