

M.Sc. - II (Computer Science) (NEP Pattern) - Semester-III
03MSCCS03 - Paper-III : Big Data Analytics

P. Pages : 2

Time : Three Hours



GUG/W/24/15969

Max. Marks : 80

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- Notes :
1. All the questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagrams wherever necessary.
 3. Avoid vague answers and write specific answers related to questions.

Either:

1. a) What are the characteristics of Big Data? Explain. 8
- b) Explain the V's of Big Data in brief. 8

OR

- c) Discuss the challenges for Big Data. 8
- d) Write a detail note on weights of evidence coding. 8

Either:

2. a) Write a detail note on Linear Regression. 8
- b) Explain the Decision Trees in detail. 8

OR

- c) Describe multiclass classification Techniques in detail. 8
- d) Explain the extensions of survival Analysis models in brief. 8

Either:

3. a) Write a detail note on Hadoop Ecosystem. 8
- b) Explain MapReduce in detail. 8

OR

- c) What is HIVE? Explain the HIVE architecture. 8
- d) Write procedure to Build Applications with Zookeeper. 8

Either:

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| 4. | a) | What do you mean by Data Analysis? How to do it with spark? | 8 |
| | b) | Explain the programming concept of RDD. | 8 |

OR

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|-----------|----|---|----------|
| | c) | Describe the key features of MongoDB. | 8 |
| | d) | Explain how to model data with Neo4j. | 8 |
| 5. | | Solve all the questions. | |
| | a) | Explain the types of Data Sources for sampling. | 4 |
| | b) | What do you understand about Kaplan Meier Analysis. | 4 |
| | c) | Write a note on Advanced Indexing with HBase. | 4 |
| | d) | Explain the principle of Schema design. | 4 |
