

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

P. Pages : 2

Time : Three Hours



GUG/S/25/15969

Max. Marks : 80

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

Either:

1. a) What are the various technologies available for Big Data? Explain. **8**
b) Explain in detail about exploratory statistical analysis. **8**

OR

- c) Define Bigdata. Explain types of Bigdata. **8**
d) What are the various challenges associated with Bigdata? **8**

Either:

2. a) Explain in detail evaluation of survival Analysis model. **8**
b) Write in short about- **8**
i) Linear Regression ii) Logistic Regression

OR

- c) Define descriptive analytics write the association rules. **8**
d) Write in detail about multiclass classification techniques. **8**

Either:

3. a) Explain in detail about installation and shell of HDFS. **8**
b) What is meant by sorting and Aggregating? Explain. **8**

OR

- c) Explain in detail the architecture of Hive. **8**
d) Write a short note on- **8**
i) PIG ii) Zookeeper

Either:

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|-----------|----|--|----------|
| 4. | a) | Write in detail about Kibana and Grafana. | 8 |
| | b) | Elaborate the concept of MongoDB Query language. | 8 |

OR

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|-----------|-----|---|----------|
| | c) | What is meant by modeling data with Ne04j? Explain. | 8 |
| | d) | Write a note on- | 8 |
| | i) | Spark Streaming | |
| | ii) | Property Graph | |
| 5. | | Attempt all the questions. | |
| | a) | Write a short note on segmentation. | 4 |
| | b) | Write in short about on Ensemble method. | 4 |
| | c) | Explain in short about HBase uses Zookeeper. | 4 |
| | d) | Explain in short General Classes. | 4 |
