

USN

--	--	--	--	--	--	--	--	--	--

18SCS21

## Second Semester M.Tech. Degree Examination, June/July 2019 Managing Big Data

Time: 3 hrs.

Max. Marks: 100

*Note: Answer any FIVE full questions, choosing ONE full question from each module.*

### Module-1

- 1 a. Explain about Big data analytics. (10 Marks)  
 b. Explain about unstructured data and implementing unstructured data management. (10 Marks)

OR

- 2 a. Explain briefly on Web analytics in Big data. (12 Marks)  
 b. Explain about crowd sourcing analytics and Mobile business intelligence. (08 Marks)

### Module-2

- 3 a. Explain about Aggregate data models and key value document data models. (12 Marks)  
 b. Explain about Schema less databases in detail. (08 Marks)

OR

- 4 a. Explain about distribution models in detail. (12 Marks)  
 b. Explain about composing map-reduce calculations. (08 Marks)

### Module-3

- 5 a. Explain about Hadoop streaming and Hadoop pipes in detail. (12 Marks)  
 b. Explain about HDFS design and its concepts. (08 Marks)

OR

- 6 a. Explain about file based data structure. (12 Marks)  
 b. Explain about Avro. (08 Marks)

### Module-4

- 7 a. Explain detail about anatomy of Mapreduce Job Run. (12 Marks)  
 b. Explain about unit test with MR unit in detail. (08 Marks)

OR

- 8 a. Explain about YARN and job scheduling in MapReduce applications. (12 Marks)  
 b. Explain about types of MapReduce. (08 Marks)

### Module-5

- 9 a. Explain about Hbase clients and its example. (10 Marks)  
 b. Explain about Cassandra data model and its example. (10 Marks)

OR

- 10 a. Explain about Pig data model in detail. (12 Marks)  
 b. Explain about Hive QL data in detail and its Queries. (08 Marks)

\*\*\*\*\*

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
 2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.