

Code No: J4002/R16

M. Tech. II Semester Regular/Supplementary Examinations, June/July-2018

BIG DATA ANALYTICS

Common to Information Technology (40), Computer Science (05), Computer Science & Technology (59), Computer Science & Engineering (58), Computer Networks(88) and Computer Networks & Information Security (84)

Time: 3 Hours

Max. Marks: 60

*Answer any FIVE Questions
All Questions Carry Equal Marks*

- | | | |
|------|---|-----|
| 1. a | Implement simple Java Program using Generic Types. Explain Generic Types. | 8M |
| b | Differentiate Stacks and Queues. | 4M |
| 2. | Explain the architecture of building blocks of Hadoop . | 12M |
| 3. a | How to Specify a combiner function? Write a program on application to find the maximum temperature, using a combiner function for efficiency. | 6M |
| b | Describe the old and the new Java MapReduce APIs | 6M |
| 4. a | Discuss about Generic Variables. | 6M |
| b | Write briefly about Writable concepts. | 6M |
| | i. Text. | |
| | ii. Bytes writable. | |
| 5. a | Illustrate the architecture of PIG \leq | 7M |
| b | How to Create and Manage the databases and tables using Hive | 5M |
| 6. a | Explain about Null Writable. \leq | 4M |
| b | Discuss about the script of Pig Latin. | 8M |
| 7. a | Write about Driver code in Hadoop MapReduce | 5M |
| b | Explain in detail following | 7M |
| | i. Maps | |
| | ii. Sets. | |
| 8. a | Mention the configuration of Hadoop Cluster using Fully Distributed Mode in detail. | 8M |
| b | Explain briefly about querying process in Hive. | 4M |

1 of 1

