

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (Information Technology)(Sem.-6)

BIG DATA

Subject Code : BTIT-601-18

M.Code : 79623

Date of Examination : 02-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Write briefly :

- a) What is CAP theorem?
- b) What are three V's of Big Data?
- c) What is HDFS?
- d) What is CRUD in MongoDB?
- e) What is CQLSH and why it is used?
- f) What is difference between collection and document in MongoDB?
- g) Short Note on Pig Latin.
- h) What is data analytics?
- i) What is TTL index in MongoDB?
- j) What is piggy bank in Hadoop?

SECTION-B

2. Define Big Data. What are the characteristics and challenges of Big Data?
3. Discuss architecture of Hadoop in detail.
4. Explain MongoDB and its features. How Import and Export data in Mongo DB?
5. Explain Apache Hive data types and file formats.
6. What are different techniques and types of data visualization?

SECTION -C

7. What are NoSQL databases and its different types? Explain.
8. What are Hadoop ecosystem and its different components? Explain.
9. What are R variable? How vector is used in R? Explain.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.