

NOVEMBER/DECEMBER 2018

MCS35B — BIGDATA

Time : Three hours

Maximum : 75 marks

SECTION A — (5 × 6 = 30 marks)

Answer ALL questions.

1. (a) Explain the process of transforming raw data into decision making with a neat diagram.

Or

- (b) What are the key components of data driven enterprise model? Explain.

2. (a) List and explain the primary groups of Database workloads.

Or

- (b) Write short notes on Column-based data structure.

3. (a) What are the complexities of data integration processes? Explain.

Or

- (b) Explain the various types of NoSQL Data Stores.

4. (a) What are the challenges in Big Data Analysis? Explain.

Or

- (b) Give some examples of Business Hypotheses.

5. (a) Write short notes on In-memory Database Grids.

Or

- (b) Give some scenarios where in-memory is necessary.

SECTION B — (3 × 15 = 45 marks)

Answer any THREE questions.

6. Explain the opportunities realized from big data.
7. Discuss in detail about the Scale-out database architecture.
8. Elaborate on Map-Reduce patterns with an example.
9. How will you analyze and evaluate business use case?
10. What are the Design principles for Contextualizing Big Data? Explain.