

NOVEMBER/DECEMBER 2019

MCS35B — BIG DATA

Time : Three hours

Maximum : 75 marks

SECTION A — (5 × 6 = 30 marks)

Answer ALL questions.

1. (a) Describe any five characteristics of Big Data.

Or

- (b) How to contextualize and enriching the data? Explain in detail.

2. (a) What do you understand scale —out. Explain in detail with architecture.

Or

- (b) What is polyglot persistence? Why it is considered as new approach?

3. (a) How do you characterize the big data storage workload characterization and modeling.

Or

- (b) Write in detail about the map reduce patterns and use cases.

4. (a) Mention some big data analytics methodologies. Evaluate it with example.

Or

- (b) Design an effective hypothesis. What is your approach to develop hypothesis in business.

5. (a) Summarize the real time analytics and CAP theorem in big data.

Or

- (b) What is in-memory data grid? How does it work. Explain in detail.

SECTION B — (3 × 15 = 45 marks)

Answer any THREE questions

6. Discuss the new paradigm for big data governance.
7. What is data ware house in bigdata?. Can big data replace data ware house. Explain with example.
8. What is No-SQL data model. What are the different types? Discuss in detail.
9. What are the main challenges in big data analysis. Explain in detail.
10. Discuss the common phases of a traditional analytics workflowprocess for Big Data.