

APRIL 2023

51432/SU45A/SE26B

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions each in 30 words.

1. What is data science?
2. What are the roles in data science?
3. What is big data?
4. What are the research goal in data science?
5. Define Data Analysis.
6. What is Algorithm?
7. Define: Modelling Process.
8. What is Unsupervised Learning?
9. What is Hadoop?
10. What is NOSQL?
11. Define: Data Retrieval.
12. What is automation?

III Bse (cs) → Introduction to Data Science

**PART B — (5 × 5 = 25 marks)**

Answer any FIVE questions each in 200 words.

13. Explain different stages of Data Science.
  14. What are various benefits and uses of Data Science.
  15. Explain the data science process.
  16. Discuss the data science transformation.
  17. Discuss: Machine Learning Algorithm.
  18. What is supervised learning? Explain.
  19. How to set research goals in Data science?
  22. Explain about the types of modelling process.
  23. Discuss about presentation and Automation of Data Science.
  24. Briefly explain the prediction of diseases in Data Science concepts.
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**PART C — (3 × 10 = 30 marks)**

Answer any THREE questions each in 500 words.

20. Briefly explain the facets of Data in Data Science.
21. Briefly explain model building of Data Science process.