

(i) Printed Pages: 2

Roll No.

(ii) Questions : 9

Sub. Code :

2	6	0	3	4
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Exam. Code :

0	4	5	9
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M.Sc. Information Technology 1st Semester

(2124)

Opt. (ii) DATA ANALYTICS-I

Paper : MS-71

Time Allowed : Three Hours]

[Maximum Marks : 80

Note :— Attempt **ONE** question each from Sections A to D.
Question No. 9 (Section E) is compulsory. All questions
carry equal marks.

SECTION-A

1. What do you understand by Data Science ? Explain the five steps of data science process. 16
2. Discuss various tools and programming platforms to develop Data Science and Applications. 16

SECTION-B

3. What do you mean by Decision Tree ? Explain the role of Decision Tree in Data Science. 16
4. What do you understand by Data Cleaning ? Explain the steps of data cleaning in detail. 16

SECTION-C

5. What is Python ? Explain the strength and weakness of Python in detail. 16
6. What do you mean by Operator ? Describe different types of operators in Python. 16

SECTION-D

7. What is NUMPY ? Explain the use of NUMPY in data analysis in detail. 16
8. What do you mean by Pandas ? How can you handle missing data using Pandas ? 16

SECTION-E

(Compulsory Question)

9. Write short notes on the following :
 - (a) Pivot Table
 - (b) Spyder
 - (c) Venn Diagram
 - (d) Random Forest. 4×4=16