

Roll No. 2282300309

Total No. of Questions : 6]

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**EXS-213**

**B.Tech. IV<sup>th</sup> Semester (New Scheme) CSE**

**Examination, 2023**

**Data Science**

**Paper- CS - 402**

**Time : 3 Hours]**

**[Maximum Marks : 60**

**Note :-** Attempt all questions. All questions carry equal marks.

1. Briefly explain the role of data science in various fields. 10

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(1)

**P.T.O.**

**OR**

Discuss the components of data warehouse.

2. Explain hypothesis with the help of suitable example. 10

**OR**

What is statistics ? Explain inferential statistics in detail.

3. What is classification ? Explain any one of the classification algorithm with an example. 10

**OR**

Explain how logistic regression is different from linear regression.

4. Explain supervised & unsupervised machine learning. 10

**OR**

What is data analysis ? Why python is a popular language for data analysis ? 10

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(2)

5. What is big data ? Explain the characteristics of it. 10

**OR**

What is SPARK ? What are the advantages of it over hadoop?

6. What is recommendation system ? Also, Explain it uses. 10

**OR**

Explain the different privacy and security issues of data science.

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(3)

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