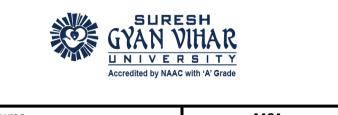


INTERNAL ASSIGNMENT - 1

Course	MCA	
Semester	3	Essentials of Data Science
Total Marks:	15	

- Q.1. Write answers for any two questions from below. (5 marks each Word limit 500)
- A. Elaborate Data Science in details.
- **B.** Elaborate Statistics and Probability concepts in details.
- **C.** What is simulation? List a few advantages and disadvantages of simulation.
- Q.2. Write short notes on all of the following topics (1 mark each Word limit 100)
- A. Data Science and its importance
- **B.** Define Probability
- C. Explain Hypothesis testing
- **D.** Bayes' Theorem
- E. Verification & Validation



INTERNAL ASSIGNMENT - 2

Course	MCA	
Semester	3	Essentials of Data Science
Total Marks:	15	

- Q.1. Write answers for any two questions from below. (5 marks each Word limit 500)
- **A.** Explain Simulation Input and Output Data Analysis in details.
- **B.** Elaborate Features of Data Exploration in details.
- **C.** Discuss Data mining with respect to Data cleaning and transformation.
- Q.2. Write short notes on all of the following topics (1 mark each Word limit 100)
- A. Data mining
- **B.** OLAP operations
- **C.** Classification and Regression
- **D.** Advantages and disadvantages of Machine learning
- **E.** Define Vector and Matrix