



QP CODE: 25047410	25047410	Reg No	:	
		Name	:	

M.Sc DEGREE (CSS) EXAMINATION, NOVEMBER 2025

Third Semester

M Sc COMPUTER SCIENCE (AIDED)

ELECTIVE - CA810301 - STATISTICAL COMPUTING FOR DATA ANALYTICS

2019 ADMISSION ONWARDS

154181CA

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

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| 1. | Describe business drivers for advanced analysis with example. |
| 2. | What are the main activities performed in identifying potential data sources? |
| 3. | What are the different types of statistical series? |
| 4. | List the characteristics of a good measure of central tendency. |
| 5. | Define the term inter quartile range. |
| 6. | Explain joint probability mass function. |
| 7. | Briefly explain standard uniform distribution. |
| 8. | Explain correlation and rank correlation. |
| 9. | What does curve fitting examines? |
| 10. | Define Simple moving Average Model for forecasting. |

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

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| 11. | What are the key roles for a successful analytical project? |
| 12. | Explain less than ogive. |
| 13. | Differentiate between mean deviation and standard deviation. |





14.	Explain the difference between Dispersion and Skewness.
15.	Explain different types of random variables
16.	Explain binomial distribution.
17.	What are the remedial measures adopted in the case of multicollinearity?
18.	Explain regression equations and regression planes.
(6×2=12 weightage)	
Part C (Essay Type Questions)	
<i>Answer any two questions.</i>	
<i>Weight 5 each.</i>	
19.	Explain in detail about partition values, their merits and demerits. How to calculate each of them?
20.	Explain in detail about multivariate normal distribution.
21.	Explain in detail about different types of regression analysis. What are the different ways of obtaining regression equations?
22.	What is ANOVA? Explain the computations involved in ANOVA .
(2×5=10 weightage)	

