

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY

(Accredited by NAAC "A+" Grade)

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

Semester-IV

STATISTICAL METHODS AND PROBABILITY DISTRIBUTION

MODEL QUESTION PAPER

Time: 2 ½ Hrs.

Max Marks: 50

SECTION - A

Answer any FIVE Questions

5 X 3= 15M

1. What is the difference between Karl Pearson's and Spearman's rank correlation?
2. Write about frequency distribution?
3. Write about exponential curves?
4. Write a short note on Regression?
5. What is binomial distribution and its properties?
6. Write about uniform distribution?
7. What is Gamma Distribution?
8. Write a short note on sample survey?

SECTION - B

Answer following question

5 X 7 = 35M

9. Explain about Karl Pearson's correlation coefficient?

(OR)

10. Explain about multiple and partial correlation?
11. Explain the following
- i) Method of least squares,
 - ii) Fitting of straight line

(OR)

12. Explain about Logistic Regression?
13. What are the characteristic properties and applications of Geometric distribution?

(OR)

14. Explain about Poisson distribution with example?
15. Explain about Normal distribution?

(OR)

16. Explain about Exponential distribution?

17. What is sampling? Explain different types of sampling?

(OR)

18. Explain about sampling and non-sampling errors?