

Roll.No.

21PECCT1002

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai - 600 044.

M.A.Economics - END SEMESTER EXAMINATIONS - NOVEMBER 2025
SEMESTER - I

21PECCT1002 - Statistical Methods for Economics

Total Duration : 2 Hrs. 30 Mins.

Total Marks : 60

Section B

Answer any **SIX** questions ($6 \times 5 = 30$ Marks)

1. State the Uses of Standard error.
2. What are the criteria for a good estimator?
3. If a pair of dice is thrown, find their probability that has sum is neither 7 nor 11.
4. List out the assumption for t-test.
5. Point out the uses of Chi-Square test.
6. What are the methods of studying Correlation?
7. In a correlation analysis, the value of the Karl Pearson's coefficient of correlation and its probable error were found to be 0.90 and 0.40 respectively. Find the value of n.
8. Difference between correlation and regression.

Section C

I - Answer any **TWO** questions ($2 \times 10 = 20$ Marks)

9. Explain the non-probability sampling methods.
10. Explain the procedure of Testing of Hypothesis
11. There are two bags. The first contains 2 red and 1 white ball whereas the second bag has only 1 red and 2 white balls. One ball is taken out at random from the first bag and is being put in the second. Then a ball chosen at random from the second bag. What is the probability that this last ball is red?
12. How to formulate the Hypothesis in research?

II - Compulsory question ($1 \times 10 = 10$ Marks)

13. From the following data, obtain the two regression equations

Sales	91	97	108	121	67	124	51	73	111	51
Purchase	71	75	69	97	70	91	39	61	80	47
