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**25-ST-23**

## **M.Sc. II SEMESTER [MAIN/ATKT] EXAMINATION MAY - JUNE 2025**

### **STATISTICS Paper - III [Statistical Computing]**

*[Max. Marks : 75]**[Time : 3:00 Hrs.]**[Min. Marks : 26]*

**Note :** Candidate should write his/her Roll Number at the prescribed space on the question paper.  
Student should not write anything on question paper.  
Attempt all five questions. Each question carries an internal choice.  
Each question carries **15 marks**.

- Q. 1** Describe procedure for estimation of National Income by product approach.  
Give various concepts of National Income.

**OR**

Define Ginni's coefficient and explain it.

- Q. 2** Explain cold and warm booting process.

**OR**

Explain storage devices in computer system.

- Q. 3** Explain arithmetic, relational and logical operations and expressions using example.

**OR**

- a) What are executable and non – executable FORTRAN statements.
- b) Write a short note on Arrays in FORTRAN.

- Q. 4** Write a program in FORTRAN to calculate variance for a set of raw data.

**OR**

Write a program in FORTRAN to calculate two lines of regression for a set of related data.

- Q. 5** Explain the procedure for naming a variable in SPSS. Also indicate special feature of SPSS.

**OR**

Explain how SPSS is helpful in research and analysis ?