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24-ST-23

**M.Sc. II SEMESTER [MAIN/ATKT] EXAMINATION
JUNE - JULY 2024**

**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 five questions. Each question carries an internal choice.
Each question carries **15 marks**.

Q. 1 Explain income approach and expenditure approach.

OR

Discuss estimation of national income product approach.

Q. 2 Write internal and external DOS commands.

OR

Explain various types of primary and secondary memory in terms of storage devices.

Q. 3 Discuss algorithm and flow chart. Write algorithm and flow chart for obtaining roots of a quadratic equation.

OR

a) Explain array and subscripted variables.

b) Write input and output statement in FORTRAN.

Q. 4 Write a program in FORTRAN for curve fitting using least square theory.

OR

Write a program in FORTRAN for obtaining correlation coefficient.

Q. 5 Explain analysis of linear regression using SPSS.

OR

Explain analysis of variance using SPSS.