Roll No.: ....

Total No. of Questions : 11]　　[Total No. of Printed Pages : 4

PK-535

M.Sc. II Semester Statistics (Reg./ATKT) Examination June 2018
STATISTICAL COMPUTING
Paper - III

Time Allowed : Three Hours]　　*[Maximum Marks : 85*

Note : Attempt all questions.

Section - A
Very Short Answer Type Questions

Q.1. State whether the following statements are TRUE or FALSE?　　$10 \times 1.5 = 15$

i) Gini's coefficient ranges between 0 and 1.

ii) The value 1 of Gini's coefficient indicates that every person of the society receives the same income.

iii) The Third Generation of computers is known for transistors.

iv) CLS is an External DOS command

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(2)

v) The statement READ (5, 62) X,Y 2.5 is acceptable read statement.

vi) The STϕP statement is an executable statement

vii) END statement is the last statement of every FORTRAN program.

viii) Columns 73-80 in a program line are not utilized by the processor.

ix) An excel workbook can contain upto 250 worksheets.

x) MERGE feature of EXCEL is used to combine two or more cells.

Section - B
Short Answer Type Questions
　　　　　　　　　　　　　　　$5 \times 5 = 25$

Q.2. Explain the difference between GDP and GNP?

OR

Explain how Gini's coefficient measures the "Income Inequality".

Q.3. Discuss in brief the Internal and External DOS commands.

OR

Name different Input and Output devices used in computers.

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(3)

(4)

Q.4. Define Flow charts. Explain the symbols commonly used for drawing flow charts.

OR

Give relational operators used in FORTRAN.

Q.5. Write computer program in FORTRAN for computing Arithmetic Mean.

OR

Write computer program in FORTRAN for drawing Histograms.

Q.6. Discuss in brief the "Excel Worksheet".

OR

How data is entered and edited in Excel? Explain in brief.

Section - C
Long Answer Type Questions

5×9=45

Q.7. Write the names of methods for measuring National Income and explain any of them in detail.

OR

What is National Income? Write uses of National Income Statistics. Also discuss factors affecting National Income.

Q.8. Write descriptive note on "Generations of Computers".

OR

Define operating system. Describe different types of O.S. Also, write needs and functions of O.S.

Q.9. Discuss control statements used in FORTRAN.

OR

Explain constants and variables used in FORTRAN. Give rules for writing them in FORTRAN.

Q.10. Write computer program in FORTRAN for computing simple correlation coefficient.

OR

Write computer program in FORTRAN for computing Regression Coefficients.

Q.11. Give procedure for creating and correcting formulae in Excel.

OR

Describe how charts are created in Excel.

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