PG/IIIS/ECO-303/18

M.A./M.Sc. 3rd Semester Examination, 2018

ECONOMICS

(*Theory*)

PAPER – ECO-303

Full Marks : 30

Time : $1\frac{1}{2}$ hours

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

1. Answer any *five* questions : 2 × 5

   (*a*) Write the full form of EVIEWS.

   (*b*) Write the steps involved in entering new data in EVIEWS.

(*c*) What is the function of Quick in EVIEWS ?

(*d*) What is STATA ? Write its two important features.

(*e*) Write the use of following in MS-Excel :

EXP, STDEVA, PEARSON

(*f*) What is FORTRAN coding sheet ?

(*g*) What are the logical operators in C programming ?

(*h*) What is scanf function in C programming ?

(*i*) How can you write the following in C : Remainder of M/N, $A >= B, X^{-k}, X + iY$.

(*j*) Distinguish the following formats in FORTRAN : I, F, X, L.

2. Answer any *two* questions : 5×2

(*a*) Write down the steps of selection of appropriate Panel Data Regression Model with STATA commands.

(*b*) Constract the hypothesis of testing the equality of two variances and write down the test of testing the sam in MS-Excel. How is it useful to test the equality of two means.

(*c*) Write the algorithm and draw the flow chart to find the maximum among 3 numbers.

(*d*) Write programs in FORTRAN to find (*i*) whether a given integer is perfect square or not and (*ii*) whether a given integer odd or even.

3. Answer any *one* question : 10×1

(*a*) How can you check non-stationerily in a time series data using Augmented Dickey fuller test employing EVIEWS ? 10

(*b*) (*i*) What do you mean by binary, octal and hexadecimal number systems ? Find the binary, octal and hexadecimal equivalents of decimal number $260.2 + 4$

(*ii*) Using binary addition and subtraction table. 2 + 2

add $(11101)_2$ and $(11010)_2$

subtract $(100)_2$ from $(1001)_2$