

2017

M.A. / M.Sc.

3rd Semester Examination

ECONOMICS

PAPER—ECO-303

Full Marks : 30

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

The figures in the right-hand margin indicate full marks.

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

Illustrate the answers wherever necessary.

Group—A

1. Answer any five questions : 5×2
- (a) Distinguish between integer constant and real constant.
- (b) Write the FORTRAN equivalents of the following $\log_{10}^x |x|$, $A \leq B$, e^x .

(c) Distinguish among the following formats in FORTRAN:
I, F, X, E.

(d) Write the following excel function :

Standard deviation, Correlation coefficient, $\log_e x$,
Arithmetic Mean.

(e) What is web page and web Browsers ?

(f) Write two important features of STATA.

(g) What is Hexa-decimal number system ?

(h) What is the purpose of Quick Access Toolbar ?

(i) Explain the different kinds of alignment in a paragraph.

(j) How will you insert table in MS-Word document ?

2. Answer any *two* questions from the following : 2×5

(a) What is Mail-merge ? Write down the steps involved in mail-merge in MS-Word.

- (b) Explain the following functions with their application in MS-Excel :

LN, STDEV, KUTR, PEARSON, EXP.

- (c) Construct the hypothesis of testing the equality of two means and write down the steps of testing the same in MS-Excel. What is the purpose of testing the equality of two variances in this context ?

- (d) Draw flow chart and write the program in FORTRAN to find the area of a triangle whose three sides are given.

3. Answer any *one* question :

1×10

- (a) Write a programs in FORTRAN for the following —

- (i) Testing whether a given integer is even
- (ii) Testing whether a number is perfect square
- (iii) Computation of trace of square matrix
- (iv) Computation of average of n numbers. $2\frac{1}{2} \times 4$

(b) Using binary multiplication and division table

(i) multiply $(11001101)_2$ and $(110010)_2$ and

(ii) divide $(1110101)_2$ by $(1011)_2$

Find the octal and Hexa-decimal equivalents of the decimal number 1596. (3+3)+4
