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PG/IVS/ECO-403/15

M.A./M.Sc. 4th Semester Examination, 2015

ECONOMICS

PAPER — ECO-403

Full Marks : 30

Time : 1½ 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

GROUP — A

1. Answer any five questions : 2 × 5
- (a) Distinguish between hardware and software.
 - (b) Name three computer operating system.
 - (c) Write the steps to obtain the summary statistics in STATA.

(Turn Over)

(2)

- (d) What is Mail-Merge ?
- (e) Write the following in Fortran

$$\left(\frac{x}{y}\right)^{n+2}, |x|,$$

Remainder of $A \div B, A + iB.$

- (f) When are the following formats used in fortran :

X, I, T, ...

- (g) Write two basic properties of the binary system.
- (h) How will you compute pair-wise correlation coefficient using MS-EXCEL ?

GROUP – B

Answer any **two** questions : 5 × 2

2. Find the sum and average of n numbers using dimension. 5

3. (a) Describe the following functions of MS-Excel :

MAX, LN, AVERAGE, STDEVA.

- (b) B₂ and B₃ cells of MS-Excel worksheet contain the values of GDP of India for the years 2004-05 and 2014-15 respectively. Write the formula of the estimation of growth rate in cell B₅. 3 + 2

4. (a) What are the functions of 'Find', 'Replace' and 'GO TO' in MS-Word. How they are used ?

- (b) What is MS-Power Point ? What are the main features of Power Point ? 3 + 2

5. Discuss how one can create a scatter plot with a regression line in SPSS. Can such an exercise be carried out using MS-EXCEL ? 3 + 2

GROUP – C

Answer any one question : 10 × 1

6. (a) Write program to find maximum among three numbers.

(b) Write a program in Fortran to find the standard deviation among n numbers. 4 + 6

7. (a) What do you mean by binary, octal and hexadecimal number systems? Find the binary, octal and hexadecimal equivalents of the decimal number 257.

(b) Using binary addition and subtraction table
(i) add $(11101)_2$ and $(11010)_2$ and (ii) subtract $(100)_2$ from $(1001)_2$. (2 + 4) + (2 + 2)
