

2011

M.A./M.Sc.

4th Semester Examination

ECONOMICS

PAPER—XV (EC-2403 A)

Full Marks : 30

Time : 1½ 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 of the following : 2×5

(a) Give examples of the following integer constant, character constant, real constant, complex constant.

(b) Mention the library functions for the following :

e^x , \sqrt{x} , $|x|$, Remainder of A/B.

(c) Write the following expression in FORTRAN,

$$R = \sqrt{2\pi} e^{-n} n^{\frac{n+1}{2}}$$

(d) When are the following formats used in FORTRAN ?
I, F, X, L.

(e) Distinguish between RAM and ROM.

(f) What is the full form of 'www' and 'internet' ?

(g) Define the Hexa-Decimal number system.

(h) What do you mean by 'Mail Merge' in MS-Word.

(i) What is the relation between megabyte (MB) & Gigabyte (GB) ?

(j) What is the function of 'Hyperlink' ?

Group—B

2. Answer any two questions : 5×2
- (a) Transfer the following decimal number to Binary and octal number system :
- (452)₁₀
- (b) What is 'spread sheet' ? What is the 'smallest unit' of the spread sheet ? By considering the specific values in two specified 'smallest unit' you write the formula of compound annual growth rate. 1+1+3
- (c) Draw a flow chart to find the maximum value of three numbers and write the programme in FORTRAN. 3+2
- (d) Make a difference between :
- (a) High level & Low level language ;
- (b) Software & Hardware.

Group—C

3. Answer any one questions : 10×1
- (a) (i) Write a programme to find the sum and average of N numbers using array.
- (ii) Write a programme to arrange n numbers in ascending order.
- (b) (i) What is the difference between MS-DOS and Windows operating system ?
- (ii) How to create a directory 'STUDENT' in C drive and save a file 'ECONOMICS' in that directory ?
- (iii) How to find correlation between two series of values using library function in MS-EXCEL ?