PG Odd Semester (CBCS) Exam., December—2018

ECONOMICS

(3rd Semester)

Course No. : ECOCC–303

(For Group—A Students)

(Computer Application in Economics)

(Practical)

Full Marks : 25
Pass Marks : 10

Time : 2 hours

The figures in the margin indicate full marks for the questions

Answer **three** questions, selecting **one** from each Unit

UNIT—I

1. *(a)* Create a blank MS-Word document of 4 pages. Write 'PG Odd Semester Examination, 2018' as the header and 'Course-No. : ECOCC–303' as the footer. Also insert page number. Save the file as '1a'. 3

(b) Write a paragraph of around 5 lines in MS-Word. Format the document as follows :

(i) Font type—Times New Roman

(ii) Font size—12-point

(iii) Line spacing—1·5

(iv) Text alignment—Justify

Save the file as '1b'. 7

2. Using 'SPSS.sav' data file (provided on the desktop), solve the following problems : 2+4+4=10

(a) Given the levels of variables, how many nominal, ordinal and scale variables are there in the data file? Discuss in your answer-script with justification.

(b) Compute a variable called 'incomecat' from the variable 'income' with the following category :

Below 25, 25 to 49, 50 to 74, above 74

and draw a frequency distribution of the variable you created. Save the figure in MS-Word as '2b'.

(c) Draw a bar diagram to show the relationship between 'level of education' and 'household income'. Save the diagram in MS-Word as '2c'.

UNIT—II

3. *(a)* Using MS-Word, show the equilibrium of a firm under perfect competition diagrammatically. Save the file as '3a'. 5

(b) Write the equations of Cobb-Douglas and CES production function in MS-Word. Save your answer as '3b'.

2+3=5

4. Using 'regression.gdt' data file (provided on the desktop), solve the following problems :

2+6+2=10

(a) Estimate the parameters of the following model and save the output in MS-Word as '4a' :

$$C_t \quad _0 \quad _1X_t \quad U_t$$

where,

C consumption expenditure,

X GDP

(b) Interpret the estimated parameters of the model in your answer-script.

(c) Does the estimated model suffer from autocorrelation? Justify your answer in the answer-script.

UNIT—III

5. According to NSSO, the unemployment rate among urban males in Assam in 1999–00 was 9·1% which fell to 5·4% in 2011–12. On the other hand, the unemployment rate among the urban male in India during the same period was 4·8% and 3·2% respectively. Show the information with the help of a table in MS-Word and save it as '5'. 5

6. Draw an indifference curve map from the following utility function, assuming U 120, 145 and 160 :

$$U \quad Cx_1^{0\,6}x_2^{0\,4}$$

Save the map in MS-Word as '6'. 5

★ ★ ★