

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

ECONOMICS

( 3rd Semester )

Course No. : ECOCC-303

( For Group—B 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. Using 'SPSS.sav' data file (provided on your desktop), solve the following problems :

$$2+4+4=10$$

- (a) Given the levels of variables, what are the different types of variable available in the 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

Draw a frequency distribution of the variable 'incomecat'. Save the figure in MS-Word as '1b'.

- (c) Draw a bar diagram to show the relationship between 'level of education' and 'household income'. Do not include individuals belonging to general category as caste in the analysis. Save the diagram in MS-Word as '1c'.

2. (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 '2a'. 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 '2b'. 7

( 3 )

UNIT—II

3. 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 '3a' :

$$X_t = \alpha_0 + \alpha_1 Y_t + U_t$$

where

X Consumption expenditure

Y GDP

- (b) Interpret the estimated parameters of the model in your answer-script.
- (c) Does the estimated model suffer from autocorrelation? Justify your response in the answer-script.
4. (a) Draw a diagram in MS-Word to show the equilibrium of a firm under perfect competition. Save the diagram as '4a'. 5
- (b) Write the equations of Cobb-Douglas and CES production function in MS-Word. Save your answer as '4b'.  
2+3=5

( 4 )

UNIT—III

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

$$U = Cx_1^{0.6}x_2^{0.4}$$

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

6. According to NSSO, the unemployment rate (UR) among urban males in Assam in 1999–2000 was 9.1% which fell to 5.4% in 2011–12. On the other hand, the UR among the urban male in India during the same period was 4.8% and 3.2% respectively. Show this information with the help of a table in MS-Word and save it as '6'. 5

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