

PG Odd Semester (CBCS) Exam., December—2017

ECONOMICS

( 3rd Semester )

Course No. : ECOCC-303 (A)

( 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, taking **one** from each Part

PART—1

1. (a) Write a short note on 'text alignments' using MS Word. Format this document as per the following specifications : 3+2=5
- (i) Margins (all-around) = 1·3 inch (or 3·3 cm)
- (ii) Line spacing = 1·5

(iii) Font type = Times New Roman

(iv) Font size = 12 pt.

Save the file as 'A1a'.

- (b) Using 'Rice.xlsx' data set (provided on the desktop), calculate annual growth rates of rice production of the North-Eastern States and all India. Analyze your results in plain paper. Save your answer as 'A1b'. 3+2=5
2. (a) Using MS Word, write the equations of Keynesian money demand function, money supply function and equilibrium condition. Also draw a diagram to show the determination of equilibrium rate of interest. Save your answer as 'A2a'. 3+3=6
- (b) The decadal growth rates of male population during 2001-11 in Kokrajhar, Dhubri and Goalpara were 4·51%, 23·96% and 22·14% respectively. The corresponding figures of female population were 5·24%, 24·96% and 23·17% respectively. Show the above information with the help of a table. Save your answer as 'A2b'. 4

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PART—2

3. Using 'SPSS.sav' data file (provided in the desktop), solve the following problems :
- (a) How many nominal, ordinal and scale variables are there in the file? State in plain paper. 2
- (b) Compute a variable as 'incomecat' from 'income' with the following categories :  
Below 25, 25–49, 50–74, Above 75  
Draw a frequency distribution of the variable you create. Save your results as 'A3b' in MS Word. 3
- (c) Draw a bar diagram to show the relationship between 'levels of education' and 'household income' only for those households who belong to SC, ST and OBC. Save your diagram as 'A3c' in MS Word. 5
4. Using 'regression.gdt' data file (provided in the desktop), solve the following problems :
- (a) Estimate the parameters of the following model and save the output as 'A4a' in MS Word: 2

$$C_t = \alpha_0 + \alpha_1 Y_t + C_i$$

where  $C$  = consumption expenditure and  $Y$  = GDP.

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- (b) Interpret the estimated parameters of the model in plain paper. 3
- (c) Conduct appropriate test to examine if the model suffers from autocorrelation. Save your results as 'A4c'. Also interpret your results in plain paper. 1+2=3
- (d) Estimate the value of multiplier for the corrected model and discuss its meaning in plain paper. 2

PART—3

5. Using MS Excel, draw an indifference curve map from the following utility function assuming  $U = 100, 130$  and  $150$  :  
$$U = Ax^{0.5}y^{0.5}$$
  
Save the map as 'A5' in MS Word. 5
6. Using 'Farm income.xlsx' data set (provided on the desktop), draw appropriate diagrams to show relationship between farm income and farm size, and farm income and irrigation. What kind of relationships do you observe between these two sets of variables from the diagrams? Save your diagrams as 'A6' in MS Word. 3+2=5

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