

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

ECONOMICS

( 3rd Semester )

Course No. : ECOCC-303

( Computer Application in Economics )

( Theory )

*Full Marks* : 40

*Pass Marks* : 16

*Time* : 2 hours

*The figures in the margin indicate full marks  
for the questions*

Answer **five** questions, taking **one** from each Unit

UNIT—I

1. (a) How will you insert different leaders in odd and even numbers pages? Write down the steps.
- (b) What are the different types of text alignments? Discuss briefly. 4+4=8
2. Write a note on 'citation and referencing'. 8

UNIT—II

3. Write a note on 'google books'. 8
4. Discuss the possible consequences of plagiarism in academic research. 8

UNIT—III

5. What is meant by missing values? Why do missing values arise? How would you delete missing values from a binary variable taking values 1 and 0? Write down the steps. 2+2+4=8
6. What are the different data formats available in MS-Excel? Also explain some of the useful functions in Excel with examples. 3+5=8

UNIT—IV

7. Given the following utility function :

$$U = Ax^{0.5}y^{0.5}$$

- (a) How will you draw the indifference curve using MS-Excel for  $U = 100$ , and  $A = 10$ ? Write the detailed steps.
- (b) What will happen to the curve if the value of  $A$  increases to 20, other things remaining constant? What will happen if the value of  $U$  changes to 120 instead? Give reasons in support of your answer. 4+4=8

4+4=8

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8. Use the following equations to build an Excel spreadsheet model of equilibrium in the goods (IS curve) and money (LM curve) markets :

8

<i>Goods Market</i>	<i>Money Market</i>
$Y = C + I + G$	$(M/P)^d = M^s/P$
$C = a + b(Y - T)$	$(M/P)^d = L + hY + jr$
$I = d + fr$	$M^s/P = M_0/P$
$G = G_0$	$P = 1$
$T = T_0$	

UNIT—V

9. Write a short note on Forward Pass Method in the context of critical path analysis.

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10. Economics department of certain university want to conduct an International Conference in Agricultural Economics. It has planned the following activities. Construct a network

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diagram showing the interrelationships among insert activities :

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<i>Activity</i>	<i>Description</i>	<i>Predecessor</i>
A	Design conference meetings and theme	...
B	Design front cover of the conference proceedings	A
C	Prepare brochure and send request for papers	A
D	Compile list of distinguished speakers/guest	A
E	Finalize brochure and taking its print out	C, D
F	Make travel arrangements for distinguished speakers/guests	D
G	Dispatch brochure	E
H	Receive papers for conference	G
I	Edit papers and assemble proceedings	F, H
J	Taking printout of conference proceedings	B, I

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