

PG Odd Semester (CBCS) Exam., December—2016

ECONOMICS

(3rd Semester)

Course No. : ECOCC-303

(Computer Applications 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) What are the different types of text alignments? Explain. 5
- (b) How will you insert different headers for odd and even numbered pages? Write down the steps. 3
2. Write short notes on the following : 2×4=8
 - (a) Arithmetic operators
 - (b) Comparison operators
 - (c) Text concatenation operators
 - (d) Reference operators

UNIT—II

3. What is online database? Discuss the advantages of online database. 2+6=8
4. What is meant by plagiarism? Why is plagiarism detrimental to the academic health of a society? Explain. 2+6=8

UNIT—III

5. State the steps that you shall follow to import data in SPSS. Also add a note on the difference between recode into same variable and recode into different variables. 4+4=8
6. Explain the differences among nominal, ordinal and scale variables in SPSS with suitable examples. Why should you not follow a frequency polygon if you have nominal data? Give reasons. 6+2=8

UNIT—IV

7. Taking a hypothetical example, state the steps of determining market equilibrium using Excel. 8
8. Write the steps of solving linear programming problem using program solver (LiPS). How shall you save the output file of LiPS in MS Word? 5+3=8

UNIT—V

9. (a) Distinguish between merge event and burst event. Point out any two differences between PERT and CPM. 4
- (b) A publisher has a contract with an author to publish a textbook. The activities associated with the publication of the textbook are given below. Construct the suitable network diagram for this project : 4

Activity	Description	Predecessor Activity	Duration (days)
A	Manuscript proofreading by editor	—	3
B	Sample pages prepared by typesetter	—	2
C	Book cover design	—	4
D	Preparation of artwork for book figures	—	3
E	Author's approval of edited manuscript and sample pages	A, B	2
F	Book typesetting	E	2
G	Author checks typeset pages	F	2
H	Author checks artwork	D	1
I	Production of printing plates	G, H	2
J	Book production and binding	C, I	4

10. (a) Define dummy activity. Discuss the problem of looping and dangling in constructing a network diagram. 1+3=4
- (b) An assembly is to be made from two parts X and Y. Both parts must be turned on a lathe and Y must be polished whereas X need not be polished. The sequence of activities together with their predecessors is given below. Construct the relevant network diagram for this project : 4

Activity	Description	Predecessor Activity
A	Open work order	—
B	Getting material for X	A
C	Getting material for Y	A
D	Turning X on lathe	B
E	Turning Y on lathe	B, C
F	Polish Y	E
G	Assemble X and Y	D, F
H	Packing	G

★ ★ ★