R. J. Tibrewal Commerce College, Vastrapur, Ahmedabad. Department of Statistics

CE 202 B ADVANCED STATISTICS-IV (Principal)

Semester – 3

(Year - 2020-21)

Assignment 1:

Q.1 Consider the following technology matrix for two industries.

If the respective final demand is 1000 units and 1200 units then estimate the total production of both the industries.

Q.2 Consider the following input-output model.

	Input			
Output	Industry	Industry	Final	Total
	Α	В	Demand	output
Industry A	52	48	50	200
Industry B	25	26	28	100

If the final demand for the product of industries changes to 75 and 50 respectively, then find the total production.

Assignment 2:

Q.3 The consumption expenditure function of a person is C = 180 + 0.7 Y and its investment function is I = 360 - 5R. If the rate of interest is 12% then construct the income determination model and find out the total income, the consumption expenditure and the investment expenditure of the person.

Q.4

What is economic model? Explain income determination model.