SOMAIYA VIDYAVIHAR UNIVERSITY

Somaiya School of Humanities and Social Science

QUESTION PAPERS

BRANCH: Bachelor of Science (Economics)	SEM: I
	NOV-2025

Sr. No.	Subject	Available
1.	Microeconomics	
2.	231U31C102 - Macroeconomics	
3.	Statistical Methods in Economics I	
4.	131U01C503 – Computer Skill I (Excel & Adv. Excel)	
5.		
6.		
7.		
8.		
9.		
10.		

LIBRARY

Economics (BSc)

SOMAIYA VIDYAVIHAR UNIVERSITY

November 2025 Examination: End Semester Examination (UG Programme)		
Programme code: **Programme: BSc Economics**	**Class: FY**	**Semester: I**
Name of the School: School of Humanities and Social Sciences	**Name of the Department: Economics**	
Course Code:	**Name of the Course: Microeconomics**	
Duration: 2 Hrs.	**Maximum Marks: 60**	
Instructions: 1) Draw neat diagrams. 2)Assume suitable data if necessary 3) Use of a simple calculator is allowed		

Question No.		Max. Marks	Co Attainment
Q.1	Answer the following questions		
A	Explain the concept of efficient markets and the idea that "there is no free lunch." How do profit opportunities disappear in efficient markets? Use examples such as stock markets, grocery store queues, or online price changes	08	01
B	Provide a detailed explanation of positive and normative economics. How do descriptive economics, economic theory, and economic models fit within positive analysis? Illustrate using examples.	07	01
	OR		
C	Discuss consumer and producer surplus with the help of suitable diagrams	08	02
D	What do economists mean by marginalism? Explain marginal cost, marginal benefit, and sunk cost with real-world applications. Why should sunk costs be ignored in rational decision-making?	07	01
Q.2	Answer the following questions		
A	Diagrammatically explain the movement along the demand curve	07	02
B	Discuss the determinants of supply	08	02
	OR		
C	David has an income of Rs. 150. The price of apples is Rs. 5 each and the price of mangos is Rs. 3 each. (Note: use graphs to explain) a. Write the budget line for David.	07	03

<table>
<tr><td></td><td>b. If he spends all his income on apples, how many apples can he buy? If he buys 100 apples, how many mangos can he afford?
c. What is the slope of his budget line?
d. Suppose the price of mango decreases to Rs.2, ceteris paribus. What is his changed budget line?</td><td></td><td></td></tr>
<tr><td>D</td><td>What is an Indifference curve? Explain its properties.</td><td>08</td><td>03</td></tr>
<tr><td>Q.3</td><td>Answer the following questions</td><td></td><td></td></tr>
<tr><td>A</td><td>Explain three reasons why demand curve slopes downward?</td><td>08</td><td>03</td></tr>
<tr><td>B</td><td>What is an isoquant? Discuss its types</td><td>07</td><td>04</td></tr>
<tr><td></td><td>OR</td><td></td><td></td></tr>
<tr><td>C</td><td>Find the values of total cost, average cost, marginal cost, average fixed cost and average variable cost and redraw the table
<table>
<tr><th>Quantity</th><th>Total Fixed Cost</th><th>Total Variable Cost</th></tr>
<tr><td>0</td><td>80</td><td>0</td></tr>
<tr><td>1</td><td>80</td><td>30</td></tr>
<tr><td>2</td><td>80</td><td>55</td></tr>
<tr><td>3</td><td>80</td><td>85</td></tr>
<tr><td>4</td><td>80</td><td>120</td></tr>
<tr><td>5</td><td>80</td><td>170</td></tr>
<tr><td>6</td><td>80</td><td>240</td></tr>
</table></td><td>08</td><td>04</td></tr>
<tr><td>D</td><td>Diagrammatically explain short-run cost-output and long-run cost-output</td><td>07</td><td>04</td></tr>
<tr><td>Q.4</td><td>Explain the Following with appropriate examples (any three)</td><td>15</td><td></td></tr>
<tr><td>A</td><td>A consumer is willing to give up 3 units of good Y to gain 1 unit of good X at a particular point on an indifference curve.
A. What is the MRS?
B. Explain why MRS diminishes as we move down along an indifference curve.</td><td></td><td>03</td></tr>
<tr><td>B</td><td>Production Possibility Frontier (PPF)</td><td></td><td>01</td></tr>
<tr><td>C</td><td>Degrees of price elasticity</td><td></td><td>02</td></tr>
<tr><td>D</td><td>Law of Diminishing Marginal Utility</td><td></td><td>03</td></tr>
<tr><td>E</td><td>Properties of isoquants</td><td></td><td>04</td></tr>
</table>

SOMAIYA VIDYAVIHAR UNIVERSITY

November 2025 Examination: End Semester Examination (UG Programmes)		
Programme code: 23 **Programme: BSc Economics**	**Class:** FY	**Semester:** III
Name of the School: **Somaiya School of Humanities and Social Sciences**	**Name of the Department :Economics**	
Course Code: 231U31C102	**Name of the Course: Macro Economics**	
Duration : 2 Hr.	**Maximum Marks : 60**	
Instructions: 1)Draw neat diagrams 2)Assume suitable data if necessary		

Question No.		Max. Marks	Co Attainment
Q.1	Explain the Following		
A	Give meaning of national income with suitable measures of it in deatil.	08	01
B	Illustrate in detail views of classical and Keynesian economist about the roots and origin of macro economics	07	01
	OR		
C	Demonstrate circular flow of national income in an open economy with suitable diagram.	08	01
D	Evolution of money has a component of metallic money and paper money, write in brief about it.	07	02
Q.2	Explain the Following		
A	List down different forms of money.	07	02
B	Explain the role of commercial bank in development of an economy.	08	02
	OR		
C	Illustrate on credit creation of commercial bank.	07	03
D	Examine the four measures of money supply.	08	03
Q.3	Explain the Following		
A	Evaluate determinants of money supply and high powered money.	08	03
B	Explain meaning and demand pull causes of inflation.	07	04
	OR		
C	Summarize average propensity to consume and marginal propensity to consume.	08	04
D	List down the factors affecting consumption function.	07	04
Q.4	Explain the Following (any three)	15	
A	GNP		01
B	National income and national product		01
C	Bank rate policy		02
D	Qualitative measures of money control by RBI		03
E	Effects of inflation		04

SOMAIYA VIDYAVIHAR UNIVERSITY

November 2025 Examination: End Semester Examination (UG Programme)		
Programme code: **Programme: BSc Economics**	**Class: FY**	**Semester: I**
Name of the School: School of Humanities and Social Sciences	**Name of the Department: Economics**	
Course Code:	**Name of the Course: Statistical Methods in Economics I**	
Duration: 2 Hrs.	**Maximum Marks: 60**	
Instructions: 1) Draw neat diagrams. 2)Assume suitable data if necessary		

Question No.		Max. Marks	Co Attainment
Q.1	Answer the following questions		
A	The following data represents the monthly expenditure of two families, use the suitable percentage diagrams. State your observations about the two families.	08	01

Items	Family A	Family B
Food	140	240
Rent	80	160
Clothing	100	120
Education	30	40
Litigation	40	40
Saving or Deficit	20	-80

B	Draw a pie-chart to represent the following data	07	01

Items	Prop. Exp.
Agriculture & Rural development	4200
Industries & Urban Development	1500
Health & Education	1000
Miscellaneous	500

	OR		
C	Find the value of x if the arithmetic mean is 14.37.	08	02

Class Interval	Freq.
0-5	5
5-10	7
10-15	x
15-20	8
20-25	6
25-30	4

D	Draw the less-than ogive for the following data. Income: 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 Families: 10 | 8 | 8 | 12 | 16 | 12	07	01
Q.2	Answer the following questions		
A	Find the lower quartile, upper quartile and 7^{th} decile for the following data Class interval: 30-40 | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 | 90-100 Freq.: 1 | 3 | 11 | 21 | 9 | 6 | 5	07	02
B	Find the mode for the following distribution Class Interval: 100-110 | 110-120 | 120-130 | 130-140 | 140-150 | 150-160 | 160-170 | 170-180 Freq.: 4 | 6 | 2 | 1 | 10 | 11 | 7 | 3	08	02
	OR		
C	Find the Karl Pearson's Coefficient of skewness and state your conclusion Class Interval: 5-15 | 15-25 | 25-35 | 35-45 | 45-55 Freq.: 20 | 5 | 15 | 5 | 20	07	03
D	a. From the following information, find the standard deviation of x and y $\sum x = 300$, $\sum y = 450$, $\sum y^2 = 6840$, $N = 10$, $\sum x^2 = 6750$ b. From the following information, find $\sum x^2$ and $\sum y^2$ for x and y series $\sum x = 240$, $\sum y = 250$, $N = 10$, $\sigma_x = 8$, , $\sigma_y = 9$	08	03

Q.3	Answer the following questions		
A	Draw Lorenz curve for the comparison of profits of two groups of companies. What is your conclusion?	08	03

Amount of Profit	No. of Companies	
	Firm A	Firm B
600	6	19
2500	11	1
6000	13	26
8400	14	14
10500	15	13
15000	17	4
40000	14	6

B	From the following information find out the Corr(X,Y) a. $\sum X = 125, \sum Y = 100, \sum X^2 = 650, \sum Y^2 = 436,$ $\sum XY = 520, N = 25$ b. $n = 10, \bar{X} = 5.5, \bar{Y} = 4, \sum X^2 = 385, \sum Y^2 = 192,$ $\sum (X + Y)^2 = 947$	07	04
	OR		
C	Calculate the correlation coefficient for the following data and what type of relationship you are observing from the data?	08	04

Sales (x)	Expenses (y)
46	2
33	14
40	24
38	16
36	15
45	21
34	19

D	Given the following values of x *and* y, find the regression equation of y *on* x and x *on* y	07	04

Price (x)	Demand (y)
4	8
6	7
7	6
8	1
9	4
0	3
1	2

Q.4	Explain any three.	15	

A	Which Firm has the greater variation in the distribution of wage |	Firm A	Firm B | |---|---|---| | No. of workers | 100 | 200 | | Average wage | 120 | 200 | | Variance | 16 | 25 |		03
B	Continuous variables Vs. Discrete variables		01
C	Compute the weighted mean for the following data | Index No. | Weight | |---|---| | 125 | 7 | | 133 | 5 | | 141 | 4 | | 173 | 4 | | 182 | 6 |		02
D	For the following data find the mean median and mode 61, 62, 63, 61, 63, 64, 63, 60		03
E	$\sum X = 40, \sum Y = 25, \sum X^2 = 220, \sum Y^2 = 150,$ $\sum XY = 180, N = 20$ Given the above information find out correlation coefficient and slope of the regression line Y on X		04

SOMAIYA VIDYAVIHAR UNIVERSITY

November / December 2025 Examination: End Semester Examination (UG Programmes)		
Programme code: 01 **Programme: FYBSC Eco**	**Class:** FY	**Semester:** I
Name of the Constituent College: S K Somaiya College	**Name of the Department: Economics**	
Course Code: 131U01C503	**Name of the Course: Computer Skill-I (Excel & Adv-Excel)**	
Duration: 2 Hrs.	**Maximum Marks: 60**	
Instructions: 1)Draw neat diagrams 2)Assume suitable data if necessary 3)		

Question No.		Max. Marks	CO
Q.1	Full-Length Question A) Explain the Outline Group in MS Excel. B) Elaborate What if Analysis in MS Excel. OR Full-Length Question C) Describes the Consolidate and Data Validation is MS Excel. D) Explain the Page Borders in MS Excel.	 8 7 8 7	 01 03 01 03
Q.2	Full-Length Question A) Describe IF Combination in MS Excel. B) What is Wrap Text in MS Excel. OR Full-Length Question C) Explain the Nestedif and If Formula in MS Excel. D) Explain the Datedif and Now Formula in MS Excel.	 8 7 8 7	 03 01 01 03
Q.3	Full-Length Question A) Explain the Types of Alignment in MS Excel. B) Explain the Text to Columns and Remove Duplicate in MS Excel. OR Full-Length Question C) Explain the Small, Large and Or Formula of MS Excel. D) Describe the Database Formula in MS Excel.	 8 7 8 7	 02 01 01 03
Q.4	Conceptual questions (Write down Steps) A) Today Formula in MS Excel. B) Explain the Trim and Month Formula in MS Excel. C) SmartArt, icon in MS Excel. D) Counta & SumProduct in MS Excel E) Notes Group in MS Excel.	15	 01 03 01 04 03