SOMAIYA

VIDYAVIHAR UNIVERSITY

Somaiya School of Humanities and Social Science

QUESTION PAPERS

BRANCH: Master of Arts – Economics	SEM: II
ATKT	JUN-2025

Sr. No.	Subject	Available
1.	Economics	✓
2.	131P26C202 – Microeconomics II	✓
3.	231P26C202 – Evolution of Economics Thought	✓
4.		
5.		
6.		
7.		
8.		
9.		
10.		

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VIDYAVIHAR UNIVERSITY

April 2025
Examination: End Semester Examination (UG/PG Programmes)

Programme code: Programme: MA Economics		Class: FY	Semester: II
Name of the Constituent College: S K Somaiya		Name of the Department : Economics	
Course Code:	Name of the Course: MA Economics		
Duration : 2 Hr.	Maximum Marks : 60		
Instructions: 1)Draw neat diagrams 2)Assume suitable data if necessary 3)			

Question No.		Max. Marks	CO
Q1	Answer the following questions		
	1.What methodology is adopted in econometrics?	7	CO1
	2.What are the issues in measuring national income?	8	
	OR		
	1.Which are the determinants of money demand and supply?	8	
	2. What are the pricing policies of firms?	7	
Q 2	Answer the following questions		CO2
	1.Describe the significance of stochastic disturbance terms in short.	7	
	2. Describe the Ordinary Least Square (OLS) regression in short.	8	
	OR		
	1.Examine the Co-efficient of determination in short.	7	
	2. Calculate β_1, β_2 and R^2 from following data	8	
	(see table below)		
Q 3	Answer the following questions		CO3
	1.Write a note on hypothesis testing.	8	
	2.Describe the F test in short.	7	
	Or		
	1.Write a note on ANOVA as alternative to dummy variables.	8	
	2. Dummy alternative to chow test	7	

Table for Q2.2:

X	6	7	8	9	10	11	12	13	14	15	16	17	18
Y	4.45	5.77	5.98	7.33	7.31	6.58	7.81	7.83	11.02	10.67	10.63	13.61	13.53

Q4	Answer the following questions		CO4
	1.What is heteroscedasticity? Explain the methods to detect it,	7	
	2. What is trend stationery? explain in short.	8	
	OR		
	1. What is the Augmented Dicky Fuller Test? Explain it.	8	
	2.How to test auto-integration? describe it in short.	7	
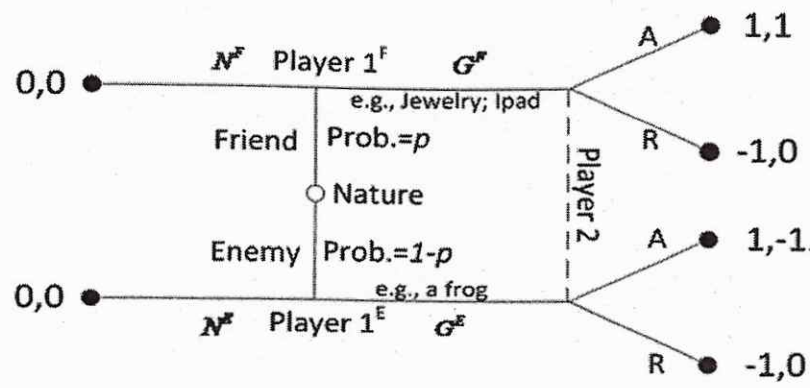
April 2025
Examination: End Semester Examination (PG Programmes)

Programme code: Programme: MA Economics		Class: FY	Semester: II
Name of the Constituent College: S K Somaiya College		Name of the Department: Economics	
Course Code: 131P26C202	Name of the Course: Microeconomics II		
Duration: 2 Hrs.	Maximum Marks: 60		
Instructions: 1) Draw neat diagrams			

Question No.		Max. Marks	Co Attainment
Q.1	Briefly answer the following questions		
A	 	07	01

1/2	J	K	L	M
A	2,3	10,2	0,1	3,4
B	0,1	2,5	5,2	2,5
C	5,2	0,1	10,2	0,8
D	10,2	2,3	3,4	2,1

Find the all the Nash equilibrium in above game (Hint first Use Iterated elimination of strict dominated strategy).

| B | Solve the Bertrand duopoly game with demand function $Q = 10 - P_1 - 2P_2$ and cost function $C(q_1) = 10q_1$ and $C(q_2) = 10q_2$.

 Where, Q: $quantity$, P_1: $price\ of\ firm1$, P_2: $quantity\ of\ firm2$. | 08 | 01 |
| | OR | | |

		07	01
C			

Player 2

Player 1		V	W	X	Y	Z
	A	4,-1	3,0	-3,1	-1,4	-2,0
	B	-1,1	2,2	2,3	-1,0	2,5
	C	2,1	-1,-1	0,4	4,-1	0,2
	D	1,6	-3,0	-1,4	1,1	-1,4
	E	0,0	1,4	-3,1	-2,3	-1,-1

What is Nash Equilibrium? Write the strategy space of each players and find Nash equilibrium from the above game.

D   08   01

Write the player lists, each player's strategy space and payoff function. (Hint: use normal form of game)

Q.2	Briefly answer the following questions		
A	Explain the Principal-Agent model with moral hazard, give an appropriate example.	07	02

2

B		08	02

Player-1 has two types nature (Friend, Enemy) with some probability explained in the above extensive form game. Player-1 knows its type. Where,

N: Not giving gift.

G: Giving gifts.

A: Accept the gift.

R: Reject the gift.

Explain what are you observing from the above game. (Hint: write the story)? Convert the above game to Bayesian Normal form game.

	OR		
C	Find the unique Bayesian nash equilibrium for the following game?	07	02

P1/P2	L	M
N	x,9	0,5
Q	4,1	6,10

Where $x = 12$ with probability $\frac{2}{3}$ or $x = 0$ with probability $\frac{1}{3}$.

D	What is Arrow-Pratt measure of relative risk aversion? Solve the following function $v(x) = x^{\alpha+1}$ to find the risk-taking nature of the individual.	08	02
Q.3	Briefly answer the following questions		
A	What is the difference between monopoly and perfect competition market? Explain the equilibrium conditions in both the market with diagram.	07	03

3

B	Briefly explain the third-degree price discrimination? Suppose monopoly faces the demand curve $Q_1 = 55 - P_1$ in market A and demand curve $Q_2 = 70 - 2P_2$ in market B, the marginal cost $(MC) = 5$. Find the profit level in each market. In which market the willingness to pay is higher?	08	03
	OR		
C	What is **deadweight loss?** Explain the welfare effects of monopoly compared to perfect competition using appropriate diagram.	07	03
D	Prove, $$\frac{P-MC}{P} = -\frac{1}{e_d}$$ *Where P: price level, MC: Marginal cost, e_d: elasticity of demand.*	08	03
Q.4	Briefly answer the following questions		
A	*Even though $\pi(coopreration) > \pi(noncooperation)$,* still firms go for non-cooperation. Explain the statement with the help of prisoner's dilemma.	07	04
B	Explain the difference between Cournot model and Stackelberg model for oligopoly market? Explain the equilibrium with the help of the reaction curves.	08	04
	OR		
C	How are price-leader firms different from dominant firms?	07	04
D	Derive the Cournot equilibrium with the help of the reaction curve: Where $P = 10 - 2Q$ $Q = q_1 + q_2$ $MC_1 \ (marginal \ cost) = MC_2 = 0$, *P: price level, Q: quantity in the market, q_1: quantity of firm 1,* *q_2: quantity of firm 2.*	08	04

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Semester (November 2024 to March 2025)
Examination: Semester Examination April 2025 (PG Programmes)

Programme code: Programme: MA Economics	Class: FY Semester: II

Name of the Constituent College: S K Somaiya College	Name of the Department: Economics

Course Code: 231P26C202	Name of the Course: Evolution of Economic Thought
Duration : 2 Hrs.	Maximum Marks : 60

Instructions: 1)Draw neat diagrams 2)Assume suitable data if necessary

Question No.		Max. Marks	CO Mapping
Q.1	Answer the Following		
a)	Explain the Malthusian School of Thought.	7	1
b)	Discuss the Keynesian theory of Demand for Money.	8	1
	OR		
c)	Explain the theory of rent propounded by David Ricardo.	7	1
d)	Highlight the period of Great Depression of 1929.	8	1
Q.2	Answer the Following		
a)	Discuss the concept of Laffer curve.	7	2
b)	Highlight Lucas New Classical theory of Business Cycle.	8	2
	OR		
c)	Explain Price Adjustment Approach by Leon Walras.	7	2
d)	Discuss in brief: Jevon's Paradox.	8	2
Q.3	Answer the Following		
a)	Discuss the Big-push theory.	7	3
b)	Explain the Unlimited supplies of Labour theory.	8	3
	OR		
c)	Explain Nurkse's Balanced Growth Theory.	7	3
d)	State the Domar's Economic Growth Model.	8	3
Q.4	Answer the Following		
a)	Highlight the Real Business Cycle Theory.	7	4
b)	State the role of fiscal policy in IS-LM Model.	8	4
	OR		
c)	Discuss the impact of monetary policy on the IS-LM Model.	7	4
d)	Explain the derivation of the LM curve.	8	4