



SOMAIYA

VIDYAVIHAR UNIVERSITY

Somaia School of Humanities and Social Science

QUESTION PAPERS

BRANCH: Bachelor of Science (Economics)	SEM: II
	APR-2025

Sr. No.	Subject	Available
1.	231UC1C202 – Macro Economics: Theory	
2.	131U31C203 – Statistics for Economics II	
3.	131U01C401 – Microeconomics	
4.		
5.		
6.		
7.		
8.		
9.		
10.		



LIBRARY



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VIDYAVIHAR UNIVERSITY



April 2025

Examination: End Semester Examination (UG Programmes)

Programme code:31		Class: FY	Semester: II
Programme: BSC Economics			
Name of the Constituent College: S K Somaiya College		Name of the Department: Economics	
Course Code: 231UC1C202	Name of the Course: MACRO ECONOMICS:THROERY AND POLICY		
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	Explain the Following		
A	Explain with some empirical data how improvement in education and health has helped to improvise economic growth.	08	01
B	Growing population plays significant role in development of nation ,elaborate giving suitable example.	07	01
	OR		
C	Which all types growth is been explained under Harrod's growth model.	08	01
D	How does the Endogenous Growth Model address the limitations of the Solow Model regarding long-term growth?	07	01
Q.2	Explain the Following		
A	How do quantitative credit control measures help in regulating the money supply in an economy?	07	02
B	Mention in detail meaning and importance of public finance.	08	02
	OR		
C	Elaborate on government budget taxation and meaning of taxation.	07	02
D	List down the canons of good tax system.	08	02
Q.3	Explain the Following		
A	What are the key merits of direct taxes in terms of fairness and economic stability?	08	03
B	Derive IS Curve.	07	03
	OR		
C	What is borrowing or debt financing in the context of a budget deficit?	08	03
D	Give wealth effect of debt financing.	07	03
Q.4	Explain the Following (any three)	15	
A	Role of Foreign capital in economic growth		01
B	Reasons of regional imbalance in India		04
C	Full employment		04
D	Crowding out effect		03
E	Origin and scope of environmental economics		04



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VIDYAVIHAR UNIVERSITY



April 2025

Examination: End Semester Examination (UG/PG Programmes)

Programme code: Programme: B.sc Economics		Class: FY.B.SC	Semester: II
Name of the Constituent College: S K Somaiya		Name of the Department: Economics	
Course Code: 131U31C203	Name of the Course: Statistics for Economics-II		
Duration : 2 Hr.	Maximum Marks : 60		
Instructions: 1)Draw neat diagrams 2)Assume suitable data if necessary 3)			

Question No.		Max. Marks	CO																				
Q 1	A] A man buys 50 electric bulbs of Philips and 50 electric bulbs HMT. He finds that Philips bulbs given an average life of 1500 hours with standard deviation of 60 hours and HMT bulbs give an average life 1512 hours with an standard deviation of 80 hours. Is there any significant difference in the mean life of the two makes of blubs? At 5% l.o.s	7M	CO 1																				
	B] From the data given below about the treatment of 250 patients suffering from disease, state whether the new treatment is superior to the conventional treatment	8M	CO 1																				
	<table><tr><th>Treatment</th><th>Favorable</th><th>Not favourable</th><th>Total</th></tr><tr><td>New</td><td>140</td><td>30</td><td>170</td></tr><tr><td>Convention al</td><td>60</td><td>20</td><td>80</td></tr><tr><td>Total</td><td>200</td><td>50</td><td>250</td></tr></table>	Treatment	Favorable	Not favourable	Total	New	140	30	170	Convention al	60	20	80	Total	200	50	250	7M	CO 2				
	Treatment	Favorable	Not favourable	Total																			
	New	140	30	170																			
Convention al	60	20	80																				
Total	200	50	250																				
OR																							
C] Fit a straight line trend for the following data and estimate the trend for 2005																							
	<table><tr><th>Year</th><th>Time series</th></tr><tr><td>1995</td><td>32</td></tr><tr><td>1996</td><td>38</td></tr><tr><td>1997</td><td>43</td></tr><tr><td>1998</td><td>45</td></tr><tr><td>1999</td><td>56</td></tr><tr><td>2000</td><td>60</td></tr><tr><td>2001</td><td>65</td></tr><tr><td>2002</td><td>72</td></tr><tr><td>2003</td><td>75</td></tr></table>	Year	Time series	1995	32	1996	38	1997	43	1998	45	1999	56	2000	60	2001	65	2002	72	2003	75		
Year	Time series																						
1995	32																						
1996	38																						
1997	43																						
1998	45																						
1999	56																						
2000	60																						
2001	65																						
2002	72																						
2003	75																						

D] Determine Seasonal Indices for the following data

8M

CO 2

Production (in hundred units)

Year	I	II	III	IV
2002	47	56	49	43
2003	45	59	50	44
2004	46	63	52	41
2005	45	61	50	42
2006	49	64	51	40

Q 2

A] From the following data, construct a price index number of the group four commodities by using Fisher index

7M

CO 3

Commodities	P_0	Q_0	P_1	Q_1
A	2	40	5	75
B	4	16	8	40
C	1	10	2	24
D	5	25	10	60

B] Calculate for the following data the index number as given below

8M

CO 3

i) weighted aggregative method ii) weighted average of price relative

Commodity	Weight	Base year	Current year
A	130	550	1345
B	450	630	1250
C	75	150	335
D	225	450	778
E	120	225	886

OR

C] Calculate the Real Income from the following data

7M

CO 3

Year	2003	2004	2005	2006	2007
Income	6000	7000	8000	9000	10000
Index no.	150	175	160	180	200



	D] Use Simplex Method to solve the following Problem Maximize $Z= 2X_1+5X_2$ Subject to $X_1+4X_2\leq24$ $3X_1+X_2\leq 21$ $X_1+X_2\leq9$	8M	CO 3																								
Q 3	A] Find Estimator of Poission Distribution	7M	CO 4																								
	B] Find Estimator of Binomial Distribution	8M	CO 4																								
	OR																										
	C] Find optimal transportation method by vogels approximation method	7M	CO 4																								
	<table border="1"><tr><td></td><td>X</td><td>Y</td><td>Z</td><td>Supply</td></tr><tr><td>A</td><td>18</td><td>17</td><td>19</td><td>200</td></tr><tr><td>B</td><td>15</td><td>12</td><td>16</td><td>200</td></tr><tr><td>C</td><td>11</td><td>13</td><td>14</td><td>200</td></tr><tr><td>Demand</td><td>100</td><td>300</td><td>150</td><td></td></tr></table>		X	Y	Z	Supply	A	18	17	19	200	B	15	12	16	200	C	11	13	14	200	Demand	100	300	150		
	X	Y	Z	Supply																							
A	18	17	19	200																							
B	15	12	16	200																							
C	11	13	14	200																							
Demand	100	300	150																								
	D] You are given the following details for a project consisting of 8 activities:	8M	CO 4																								
	<table border="1"><tr><td>Activity</td><td>Duration (Days)</td></tr><tr><td>A(1-2)</td><td>4</td></tr><tr><td>B(1-3)</td><td>6</td></tr><tr><td>C(1-5)</td><td>13</td></tr><tr><td>D(2-3)</td><td>5</td></tr><tr><td>E(2-4)</td><td>20</td></tr><tr><td>F(4-6)</td><td>10</td></tr><tr><td>G(3-6)</td><td>6</td></tr><tr><td>H(5-6)</td><td>16</td></tr></table>	Activity	Duration (Days)	A(1-2)	4	B(1-3)	6	C(1-5)	13	D(2-3)	5	E(2-4)	20	F(4-6)	10	G(3-6)	6	H(5-6)	16								
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G(3-6)	6																										
H(5-6)	16																										
	i) Draw the network diagram and identify the critical path																										
	ii) Find EST,EFT,LST,LFT																										

Q 4	Answer 3 out of 5	15 M	
	A] Testing of Hypothesis		CO 1
	B] Time Estimate of Network Analysis		CO 2
	C] Transportation Problem		CO 3
	D] Job Sequencing Problem		CO 4
	E] Estimator and Estimate		CO 4



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VIDYAVIHAR UNIVERSITY



April 2025 Examination: In Semester - II Examination (UG programmes)		
Programme code: Programme: FYBSC		
Name of the Constituent College: S K Somaiya College (SKSC)		Name of the department/Section/Center: Economics
Duration:	Microeconomics	Max. Marks: 60
Instructions: 1) Draw neat diagrams 2) Assume suitable data if necessary		

Section		Max. Marks	CO
Q1. A.	Explain the equilibrium of a firm in the short run and long run under perfect competition?	7	CO 1
B.	What are the features of monopolistic competition.	8	CO 1
	OR		
C.	Explain the price and output determination of the firm under monopolistic competition.	7	CO 1
D.	What are the characteristics of Oligopoly market?	8	CO 1
Q2. A.	Explain how technological advancements can affect the derived demand for labor in a given industry?	7	CO 2
B.	What is the difference between average productivity and marginal productivity of labor?	8	CO 2
	OR		
C.	What are the possible efficiency and welfare implications of a bilateral monopoly?	7	CO 2
D.	How can government intervention, such as a minimum wage, address issues related to monopsony power?	8	CO 2
Q3. A.	Examine the Edgeworth production box and general equilibrium of production.	7	CO 3
B.	What are public goods? What limits the possibility of private supply.	8	CO 3
	OR		
C.	How do credit markets address adverse selection issues when lending to borrowers?	7	CO 3
D.	How does adverse selection affect the insurance industry?	8	CO 3
Q4. A.	Conceptual Questions: (Any three)	15	CO 4
1.	Deadweight loss		
2.	Types of oligopoly		
3.	Obstacles of consumption in public goods.		
4.	Reasons for market failure.		
5.	Agency problem		