

St Aloysius College (Autonomous)**Mangaluru****Semester IV – P.G. Examination – M.A. ECONOMICS****May - 2024****PUBLIC ECONOMICS****Time: 3 Hours****Max. Marks: 70****SECTION - A****Answer any TWO questions of the following:****(2x15=30)**

1. Discuss the basic postulates of cost benefit analysis.
2. Evaluate the social welfare implications of externalities and market failures.
3. How does Musgrave's approach differentiate between benefits and costs of taxation?

SECTION – B**Answer any FOUR questions of the following:****(4x6=24)**

4. How does the presence of public goods affect market efficiency?
5. Analyze the differences between Pareto Optimality and Perfect Competition in their implications for public goods provision.
6. How does Zero-Based Budgeting differ from traditional budgeting methods?
7. Explain the redistributive impact of a budget
8. Evaluate the effectiveness of government allocation functions in addressing societal needs.
9. What are public investment projects, and why are they important for economic development?

SECTION – C**Answer any FOUR questions of the following:****(4x4=16)**

10. Define market price and explain its significance in determining resource allocation in a market economy.
11. Define indirect taxes.
12. Explain fiscal policy and its objectives.
13. Provide examples of public policies used to internalize externalities at a local level.
14. What are some basic requirements of a good tax system?
15. Explain Black's Theorem and its implications for public goods provision.

ST. ALOYSIUS COLLEGE
PG Library
MANGALORE - 575 002

--	--	--	--	--	--

St Aloysius College (Autonomous)

Mangaluru

Semester IV – P.G. Examination – M.A. ECONOMICS

May - 2024

INDIAN ECONOMY

Time: 3 Hours

Max. Marks: 70

SECTION - A

Answer any TWO questions of the following:

(2x15=30)

1. Explain the fiscal sector reform in India
2. Evaluate the effectiveness of food security programs in India.
3. Judge the ethical implications of SHG interventions, particularly regarding decision-making processes and allocation of resources along with its functions and performance.

SECTION – B

Answer any FOUR questions of the following:

(4x6=24)

4. Explain the concept of "credit cooperatives"
5. Explain the changing structural characteristics of Indian economy
6. Evaluate the potential challenges faced by MFIs in complying with regulatory requirements and maintaining financial sustainability.
7. Compare and contrast the strategies adopted by India to address the challenges posed by the parallel economy.
8. Explain how credit cooperatives play their role in financial inclusion
9. How would you explain an exit policy in a transparent manner during a period of organizational change?

SECTION – C

Answer any FOUR questions of the following:

(4x4=16)

10. Name three key functions of RRBs as outlined by the Reserve Bank of India (RBI).
11. Explain the need for and issues in good governance.
12. Explain the significance of FDI in stimulating economic growth and development.
13. Explain the problems of sick units in India.
14. Explain the nature of Indian agriculture
15. Describe the structure of the GST Council and its role in administering GST in India.

PS 114.4

Reg. No. :

--	--	--	--	--	--	--

St Aloysius College (Autonomous)

Mangaluru

Semester IV – P.G. Examination – M.A. ECONOMICS

May - 2024

ECONOMICS OF INSURANCE

Time: 3 Hours

Max. Marks: 70

SECTION - A

Answer any **TWO** questions of the following:

(2x15=30)

1. Elucidate the objectives and steps in risk Management process.
2. Define Insurance. Explain the basic characteristics of Insurance
3. Explain the importance of risk assessment in underwriting life insurance policies. Discuss how underwriters balance risk and affordability for policyholders.

SECTION – B

Answer any **FOUR** questions of the following:

(4x6=24)

4. Explain the principles of Insurance.
5. Explain the economic rationale behind the existence of insurance.
6. Discuss the significance of risk assessment in determining insurance premiums. Provide examples to support your explanation.
7. Break down the components of a net single premium calculation and analyze how each component contributes to the overall cost of the insurance policy.
8. How does risk differ from uncertainty in decision theory? Provide examples to illustrate the distinction.
9. Explain the scope and limitation of Indian Agriculture Insurance.

SECTION – C

Answer any **FOUR** questions of the following:

(4x4=16)

10. Briefly Explain the role of insurance in economic development.
11. Briefly explain common types of life insurance plans.
12. Write a short note on economic security
13. Explain the concept of risk control in the context of insurance.
14. Explain the objectives and Methods of rate marketing
15. Explain the significance of premium tables in determining insurance premium.

St Aloysius College (Autonomous)

Mangaluru

Semester IV – P.G. Examination – M.A. ECONOMICS

May - 2024

OPERATIONS RESEARCH FOR ECONOMIC ANALYSIS

Time: 3 Hours

Max. Marks: 70

Note: Graph sheet will be provided.

SECTION - A

Answer any **TWO** questions of the following: (2x15=30)

1. Explain the origin and development of OR. Discuss the various phases in solving an OR problem.
2. Solve the following by NWCM and test its optimality by stepping stone method.

The Shipping costs are given in the table

To \ From	Project A	Project B	Project C	Plant Capacity
Plant W	4	8	8	56
Plant X	16	24	16	82
Plant Y	8	16	24	77
Project Requirements	72	102	41	215

3. Solve the following L.P.P by simplex Method

$$\text{Maximize } Z = 30X_1 + 40X_2 + 20X_3$$

$$\text{S.T.C } 10X_1 + 12X_2 + 7X_3 \leq 10000$$

$$7X_1 + 10X_2 + 8X_3 \leq 8000$$

$$X_1 + X_2 + X_3 \leq 1000$$

$$X_1, X_2, X_3 \geq 0$$

ST. ALOYSIUS COLLEGE
PG Library
MANGALORE-575 004

SECTION - B

Answer any **FOUR** questions of the following: (4x6=24)

4. Find the basic feasible solution using VAM.

	D ₁	D ₂	D ₃	Availability
O ₁	2	7	4	5
O ₂	3	3	1	8
O ₃	5	4	7	7
O ₄	1	6	2	14
Requirement	7	9	18	

5. Solve the following transportation problem by LCEM

	1	2	3	4	Supply
A	7	3	8	6	60
B	4	2	5	10	100
C	2	6	5	1	40
Demand	20	50	50	80	

6. Solve graphically

$$\text{Maximise } Z = 60X_1 + 40X_2$$

$$\text{Subject to } 2X_1 + X_2 \leq 60$$

$$X_1 \leq 25$$

$$X_2 \leq 35$$

$$X_1, X_2 \geq 0$$

7. Using the Dominance property obtain the optimal strategies for both the players and determine the value of the game.

		Firm B			
		B1	B2	B3	B4
Firm A	A1	35	65	25	5
	A2	30	20	15	00
	A3	40	50	00	10
	A4	55	60	10	15

8. Explain the Methodology of operational research
9. Solve the following Assignment problem

Typist	Jobs			
	P	Q	R	S
A	85	50	30	40
B	90	40	70	45
C	70	60	60	50
D	75	45	35	55

SECTION - C

Answer any **FOUR** questions of the following:

(4×4=16)

10. Write a note on limitations of L.P.P. method.
11. A company produces three products P, Q, R from 3 raw materials A, B, C. One unit of product P requires 2 units of A and 3 units of B. One unit of product Q requires 2 units of B and 5 units of C and one unit of product R requires 3 units of A, 2 units of B and 4 units of C. The company has 8 units of material A, 10 units of B and 15 units of C available. Profit per unit of product P, Q and R are Rs 3, Rs 5 and Rs 4 respectively. Formulate the problem mathematically.

Contd...3

- 12. What are decisions under uncertainty and risk?
- 13. What are the steps involved in O.R. problem?
- 14. Explain the phases of operational research.
- 15. Solve the following payoff matrix , determine the optimal strategies and the value of game,

	B	
	5	1
A	3	4
