

PH 111.4

Reg. No. :

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

St Aloysius College (Autonomous)

Mangaluru

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

July/August - 2022

PUBLIC ECONOMICS

ST. ALOYSIUS COLLEGE
PG Library
MANGALORE - 575 001

Time: 3 Hours

Max. Marks: 70

SECTION - A

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

1. Critically examine the role of Government in an organised society.
2. Explain the cost-benefit analysis as a criterion to evaluate public investment projects.
3. Explain the central-state financial relations in India.

SECTION - B

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

4. Briefly discuss Wiseman-Peacock hypothesis.
5. Discuss Row's impossibility theorem.
6. Examine the Second Best Theory.
7. Explain the policy relevance of the theory of optimal taxation.
8. Explain the fiscal measures and the less well off in the process of redistribution of income.
9. Discuss Pareto criterion of social welfare.

SECTION - C

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

10. Write a note on local public goods.
11. Give the meaning of shadow pricing.
12. Explain the criteria for the choice of public investment projects.
13. Briefly discuss the concept of Zero Based Budgeting.
14. Write a short note on redistributive impact of the budget.
15. Explain the concept of tax buoyancy.

PH112.4

ST. ALOYSIUS COLLEGE
PG Library
MANGALORE-575 004

Reg. No. :

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

St Aloysius College (Autonomous)

Mangaluru

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

July/August - 2022

INDIAN ECONOMY

Time: 3 Hours

Max. Marks: 70

SECTION - A

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

1. Explain the trend in the growth and composition of GDP in India.
2. Describe the various sources of agricultural finance in India.
3. Analyze the role of MSMEs in India. point out their problems.

SECTION - B

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

4. Examine the major trends in India's population growth.
5. Explain the important aspects of land reforms in India.
6. Examine the role of RBI in promoting financial inclusion.
7. Briefly explain the changing trends in India's balance of payments.
8. Explain the need for and issues in Good Governance.
9. Examine the fiscal sector reforms in India.

SECTION - C

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

10. What are the problems faced by sick units in India?
11. Review family welfare programmes in India.
12. Point out the objectives of the agricultural price policy.
13. Write a note on Exit policy.
14. Brief on the working of self-help groups.
15. Write a note on NITI Ayog.

PS 114.4

Reg. No. :

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

St Aloysius College (Autonomous)

Mangaluru

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

July/August - 2022

ECONOMICS OF INSURANCE

Time: 3 Hours

Max. Marks: 70

SECTION - A

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

1. Explain the various methods of risk management process.
2. Examine the role of insurance in economic development.
3. What do you mean by IRDA? Explain the functioning and role of IRDA in insurance sector of India.

SECTION - B

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

4. Explain the types of risk.
5. Discuss the principles of contract of insurance.
6. Explain the scope and limitations of Indian agricultural insurance.
7. Briefly explain the types of general insurance.
8. Overview the role and responsibilities of underwriters.
9. Explain the basic methods of rate making in General Insurance.

SECTION - C

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

10. Give the meaning and methods of risk transfer.
11. Write a note on characteristics of insurance.
12. What are the types of reinsurance?
13. Write a note on plans of life insurance.
14. Briefly explain technological development and insurance.
15. Distinguish between extra premium and rider premium.

PS 115.4

Reg. No. :

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

St Aloysius College (Autonomous)

Mangaluru
Semester IV - P.G. Examination - M.A. ECONOMICS

July/August - 2022

OPERATIONS RESEARCH FOR ECONOMIC ANALYSIS

Time: 3 Hours

Max. Marks: 70

Graph Sheet Will be Provided

SECTION - A

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

1. Describe the different types of models in operations research. Explain the steps in modelling process.

2. Given the following data, find an optimal solution using simplex method

$$\text{Max } Z = 6x_1 + 8x_2$$

Subject to

$$30x_1 + 20x_2 \leq 300$$

$$5x_1 + 10x_2 \leq 110$$

$$x_1, x_2 \geq 0$$

3. A salesman stationed at city A has to decide his tour plan to visit cities B, C, D, E and back to city A so that total distance travelled is minimum. No sub touring is permitted. He cannot travel from city A to city A itself. The distance between cities in kilometers is given below.

Cities	A	B	C	D	E
A	M	16	18	13	20
B	21	M	16	27	14
C	12	14	M	15	21
D	11	18	19	M	21
E	16	14	17	12	M

Solve this travelling salesman problem.

SECTION - B

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

4. Solve graphically

$$\text{Max } Z = 4x_1 + 5x_2$$

Subject to

$$2x_1 + 3x_2 \geq 12$$

$$x_1 + x_2 \leq 4$$

$$4x_1 + 3x_2 \geq 18$$

$$x_1, x_2 \geq 0$$

Contd...2

PS 115.4

5. A glass factory specialising in crystal is developing a substantial backlog and the firm's management is considering 3 courses of action

- Arrange for sub-contracting (S_1)
- Begin overtime production (S_2)
- Construct new facilities (S_3)

The correct choice depends upon future demand which may be low, medium or high. A cost analysis reveals effect upon project that is shown in the table below. Show this decision situation in the form of a decision tree and indicate the most preferred decision and corresponding expected value.

Demand	Probability	S_1	S_2	S_3
Low	0.1	10	-20	-150
Medium	0.5	50	60	20
High	0.4	50	100	200

6. The DREAM - DRINK Company has to work out a minimum cost transportation schedule to distribute crates of drinks from three of its factories X, Y, and Z to its three warehouses A, B, and C. The required particulars are given below. Find the transportation cost using VAM.

From/To	A	B	C	Crates Available
X	75	50	50	1,040
Y	50	25	75	975
Z	25	125	25	715
Crates required	1,300	910	520	2730

ST. ALOYSIUS COLLEGE
PG LIBRARY
MANGALORE 575 003

7. Solve the game whose payoff matrix is:

		B		
		I	II	III
A	I	1	7	2
	II	6	2	7
	III	5	1	6

8. Explain the procedure of graphical solution to $2 \times n$ and $m \times 2$ games.

Contd...3

9. The following matrix gives the payoff of different strategies (alternatives) A, B, and C against conditions (events) W, X, Y and Z. Identify the decision taken under the following approaches: (i) Maximax, (ii) Maximin, (iii) Minimax, (iv) Laplace, (v) Hurwicz criterion. The decision maker's degree of optimism (a) being 0.7.

	W	X	Y	Z
	₹	₹	₹	₹
A	4000	-100	6000	18000
B	20000	5000	400	0
C	20000	15000	-2000	1000

SECTION - C

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

(4x4=16)

10. Explain the significance of operations research.
11. List the methods of arriving at the initial basic feasible solution to transportation problem.
12. Explain the dominance property in games using numerical illustration.
13. Calculate the EMV for the following

States of Nature	Strategics		Probality
	A ₁	A ₂	
S ₁	30	20	0.6
S ₂	35	30	0.4

14. Write a note on decision tree.
15. Solve using north west corner method

Origin	Destination			Supply
	D ₁	D ₂	D ₃	
O ₁	2	7	4	5
O ₂	3	3	1	8
O ₃	5	4	7	7
O ₄	1	6	2	14
Demand	7	9	18	