

PH 111.4

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**St Aloysius College (Autonomous)**  
**Mangaluru**  
**Semester IV – P.G. Examination – M.A. ECONOMICS**  
**September - 2020**  
**PUBLIC ECONOMICS**

Time: 3 Hours

Max. Marks: 70

**SECTION - A**

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

1. Critically examine the rationale for government intervention in economics activities.
2. Discuss the cost-benefit analysis as a criterion to evaluate public investment projects.
3. Explain redistributive impact of the budget.

**SECTION - B**

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

4. Explain the effects of increase in public expenditure in a developing country.
5. Discuss the Wiseman-Peacock hypothesis of public expenditure.
6. Describe the public policies to internalize the externalities.
7. Explain the Buchanan's contributions.
8. Examine the relevance of fiscal policy.
9. Discuss the Arrow's impossibility theorem.

**SECTION - C**

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

10. Write a brief note on social welfare function.
11. Explain tax buoyancy.
12. Give an account of Ramsey rule.
13. Write a note on Pareto optimality.
14. Give the meaning of programme budgeting.
15. Analyse the theory of optional taxation.

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**Mangaluru**  
**Semester IV – P.G. Examination – M.A. ECONOMICS**  
**September - 2020**  
**INDIAN ECONOMY**

Time: 3 Hours

Max. Marks: 70

**SECTION - A**

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

1. Critically explain the changing structural characteristics of Indian Economy.
2. Critically analyse the land reform measures in India.
3. State and explain Fiscal sector reforms in India.

**SECTION - B**

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

4. Explain the role of sustainable development in Indian Economy.
5. Describe the problem of rural-urban migration.
6. Briefly explain the technological change in agriculture.
7. Explain the disinvestment process in Indian industry.
8. Explain the trends in India's balance of payments.
9. Briefly explain issues for good governance.

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**SECTION - C**

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

10. Write a note on inclusive growth.
11. Explain demographic dividend.
12. Write a note on human development index.
13. Write a note on food security.
14. Briefly explain FDI in India.
15. Write a note on NITI Ayog.

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**St Aloysius College (Autonomous)  
Mangaluru**

**Semester IV – P.G. Examination – M.A. Economics  
September - 2020**

**Economics of Insurance**

Time: 3 hrs.

Max. Marks: 70

**SECTION – A**

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

(2x15=30)

1. Explain the various methods of risk management.
2. Review the pension sector reforms in India.
3. What do you mean by regulation of insurance? Explain the role of IRDA in regulating India's insurance sector.

**SECTION – B**

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

(4x6=24)

4. Discuss the various risk assessment approaches.
5. State the types of reinsures.
6. Distinguish between fire insurance and marine insurance.
7. Discuss the basic principles of pension plans.
8. What are the uses of individual health insurance.
9. State the principles of contract of insurance.

**SECTION – C**

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

(4x4=16)

10. Briefly explain the marketing aspects of general insurance.
11. Distinguish between social Vs private insurance.
12. State the principles of underwriting of life.
13. Write a note on life cycle planning.
14. Distinguish between tabular premium and rider premium.
15. Briefly state the methods of rate making in general insurance.

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**Semester IV – P.G. Examination – M.A. ECONOMICS  
September - 2020**

**OPERATIONS RESEARCH FOR ECONOMIC ANALYSIS**

Max. Marks: 70

Time: 3 Hours

**SECTION - A**

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

(2x15=30)

1. Use simplex method to solve the following L.P. problem.

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

Subject to

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

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

$$x_1, x_2 \geq 0$$

2. There is 40% chance that a patient is suffering from cancer. A doctor has to decide whether a serious operation should be done or not. If the patient is suffering from cancer and the operation is performed, the chance that he will recover is 70% otherwise is 35%. On the other hand if the patient is not suffering from cancer and the operation is performed, the chance he will recover is 20% otherwise it is 100%. Assume that recovering and death are the only possible results. Construct an appropriate decision tree. What decision should the doctor take?
3. Describe the different methods of arriving at initial feasible solution to a transportation problem.

**SECTION - B**

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

(4x6=24)

4. Explain the evolution of operations research.
5. Find the initial feasible solution by Vogel's Approximation method for the following transportation problem.

	W <sub>1</sub>	W <sub>2</sub>	W <sub>3</sub>	Supplies
F <sub>1</sub>	48	60	56	140
F <sub>2</sub>	45	55	53	260
F <sub>3</sub>	50	65	60	360
F <sub>4</sub>	52	64	55	220
Demand	200	320	250	

6. A transport Corporation has three vehicles in three cities. Each of vehicles can be assigned to any of the four other cities. The distance differs from one city to another as under:

	W	X	Y	Z
A	33	40	43	32
B	45	28	31	23
C	42	29	36	29

You are required to assign a vehicle to a city in such a way that the total distance travelled is minimized.

7. A firm makes two types of furniture: Chairs and tables. The contribution for each product as calculated by the accounting department is ₹20 per chair and ₹30 per table. Both products are processed on three machines  $M_1$ ,  $M_2$  and  $M_3$ . The time required by each product and total time available per week on each machine are as follows:

Machine	Chair	Table	Available Hours
$M_1$	3	3	36
$M_2$	5	2	50
$M_3$	2	6	60

How should the manufacturer schedule his production in order to maximize contribution? Formulate a LPP problem. Solve graphically.

8. Solve the following game:

		B' Strategy	
		$B_1$	$B_2$
A' Strategy	$A_1$	28	0
	$A_2$	2	12
	$A_3$	4	7

9. Explain the relevance of game theory for economic analysis.

### SECTION - C

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

(4x4=16)

10. Write a note on models in operations research.
11. Give a brief note on LPP.
12. Find the initial feasible solution using north west corner method.

	$D_1$	$D_2$	$D_3$	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	

13. List the rules of dominance in game theory.
14. Explain maximim and minimax principle.
15. Explain a decision tree.

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