

Bachelor of Instrumentation and Electronics Engineering Examination, 2024

(4th Year, 1st Semester,)

Economics**Time: Three Hours****Full Marks: 100**

Different parts of the same question should be answered together

1. **Answer the following question** **5 x 1 = 5**

Explain scarcity. **5**

2. **Answer any two from (a), (b) and (c) in this block** **25 x 2 = 50**

(a) Write short notes on any five of the following: **5 x 5**

- (i) Isoquant
- (ii) Indifference curves
- (iii) Law of demand & determinants of demand
- (iv) Limitations of law of equi-marginal utility
- (v) Shifts & movements in market equilibrium
- (vi) Marginal rate of technical substitution

(b) (i) What is comparative advantage? **3**

(ii) When the law of variable proportions does not work? **3**

(iii) Illustrate, if price of sugar increases, what will happen to the demand curve of tea. **3**

(iv) What are the characteristics of utility? **3**

(v) Enumerate assumptions of utility. **5**

(vi) Explain central problems of an economy. **8**

(c) Describe in detail the law of variable proportions with appropriate illustrations. Explain external economies of scale. **15 + 10**

3. **Answer any two questions from (a), (b) and (c) in this block** **15 x 2 = 30**

(a) Develop a cost sheet from the following particulars in the book of Saraswati Publishers (in '000 rupees): **15**

Raw materials purchased	= 1,20,000	Paid inward freight charges	= 10,000
Wages paid to labourers	= 30,000	Directly chargeable expenses	= 5,000
Salesman's salary	= 6,000	Office insurance	= 1,000
Cost of moulds	= 3,000	Factory manager's salary	= 1,000
Depreciation on machinery	= 800	Office salary	= 9,000
Directors' fees	= 2,000	Showroom expenses	= 1,200
Telephone charges	= 700	Depreciation on office building	= 800

[Turn over

Distribution centre's godown exp. = 800
Expenses of goods delivery van = 1,500

Market research expenses = 600
Sales = 2,10,000

	Opening stock	Closing stock
Raw materials	12,000	20,000
Work in progress	17,500	24,000
Finished goods	40,000	50,500

- (b) (i) Describe Oligopoly in details. 10
(ii) Explain cost plus pricing. 5
- (c) (i) Illustrate cost curves of monopoly market. Describe market penetration pricing. 10 + 5

Answer any one from (a) and (b) in this block

15 x 1 = 15

- (a) What are the problems of foreign trade being faced by developing countries? 15
(b) Describe importance of GATT. Summarize various rounds of GATT. 5 + 10