

B.E ELECTRICAL ENGINEERING Examination 20245**[4th Year; 2nd Semester]****Subject: ECONOMICS AND INDUSTRIAL MANAGEMENT****Part-I**

Time: 3 hours

Use Separate Answer script for each part

Full Marks: 100
(50 marks for each Part)[Answer any five questions from the following]

Q.1.	A. What do you understand by cross price elasticity of demand? B. Explain how demand for different types of goods (normal, inferior, luxury) respond to change in income with the help of graphical representation.	3+7= 10 [CO1]
Q.2.	A. State the Law of Demand. B. Briefly state the factors that effect change in demand of a product/service C. Find out elasticity of product X if price changes from Rs. 75 to Rs. 105 and quantity demanded changes from 100 units to 170 units.	2+5+3= 10 [CO2 & CO5]
Q.3	A. State the features of a monopolistic competitive market?. B. Can a monopolist earn loss in Long-run? If not state the situation that a generic monopolist will face with regards to revenue earning in Long-run. .	4+2+4= 10 [CO2]
Q.4.	Write short notes on the following: a. Price discrimination b. Demand-pull inflation	5+5=10 [CO4]
Q.5.	A. State the features of an oligopoly market. B. How does the demand curve look like in an oligopoly market? C. Firm is a price-maker or price taker in perfect-competition? .	4+4+2=10 [CO5]
Q6	A. State the differences between currency depreciation and currency appreciation. B. State the different types of inflation with examples. C. State any two ways to control hyperinflation according to you.	4+4+2=10
Q7	A. What are the different causes of inflation globally? B. What effect does inflation has on a country's economy?	5+5=10
Q8	A. What do you understand by the term Bank? B. State the functions of a commercial Bank. C. What are the different types of bank that function in Indian Banking System?	2+5+3=10

[Turn over

Ref.No. Ex/EE/HS/B/T/423(O)/2025

B.E. Electrical Engineering Examination 2025**[4th Year; 2nd Semester]****Subject: Economics & Industrial Management****Part-II**

Time: 3 hours

Use Separate Answer script for each part

Full Marks:100
(50 marks for each Part)[Answer any 5 (five) questions]

[Answer any 5 (five) questions]																									
Q.1.	Times of performing a job element are recorded and some readings taken (in hours) are as under. <table><tr><td>0.05</td><td>0.06</td><td>0.07</td><td>0.06</td><td>0.06</td><td>0.07</td><td>0.05</td><td>0.06</td><td>0.05</td><td>0.07</td><td>0.06</td></tr></table> Find the actual number of readings required for conducting the time study of the job element.										0.05	0.06	0.07	0.06	0.06	0.07	0.05	0.06	0.05	0.07	0.06	10 [C04]			
0.05	0.06	0.07	0.06	0.06	0.07	0.05	0.06	0.05	0.07	0.06															
Q.2.	Explain the features of a Functional Organization through a neat sketch.										10 [C02]														
Q.3	A shoe manufacturer consumes an item priced at Rs.7/- each, at the rate of 2,000 units per month. An inventory of one month's consumption is always kept as Minimum Level. The lead time for procurement is 1 month. The cost of ordering is Rs. 200/- per order and the Inventory Carrying cost is 18% per annum. Find: A. Economic Order Quantity B. Reorder Level C. Maximum Level D. Average Inventory										4 + 2 + 2 + 2 = 10 [C04]														
Q.4.	Illustrate the reasons of new facility location with suitable examples.										10 [C01]														
Q.5.	A. Explain the purposes for maintaining inventory. B. Describe the differences between "Job Enrichment" and "Job Enlargement".										5 + 5 = 10 [C02]														
Q.6.	The daily consumption and lead time data of a specific item, as under, were collected from a manufacturing house. <table><tr><td>Daily Consumption (Litre)</td><td>120</td><td>105</td><td>110</td><td>115</td><td>112</td><td>108</td></tr><tr><td>Lead Time for Supply (days)</td><td>19</td><td>24</td><td>27</td><td>28</td><td>31</td><td>25</td></tr></table> Find the quantity of Safety Stock the company should keep for the item.										Daily Consumption (Litre)	120	105	110	115	112	108	Lead Time for Supply (days)	19	24	27	28	31	25	10 [C04]
Daily Consumption (Litre)	120	105	110	115	112	108																			
Lead Time for Supply (days)	19	24	27	28	31	25																			
Q.7.	A. Describe the features of Preventive Maintenance. B. Differentiate between MTTF and MTBF.										5 + 5 = 10 [C02]														