

B.E ELECTRICAL ENGINEERING Examination 2024**[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 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. 50 to Rs. 55 and quantity demanded changes from 10 units to 7 units.	2+5+3=10 [CO2 & CO5]
Q.3	A. State the features of a perfectly 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. Cost-push 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 [CO2]
Q7	A. What are the different causes of inflation globally? B. What effect does inflation has on a country's economy?	5+5=10 [CO4]
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 [CO1]

[Turn over

Ref.No. Ex/EE/HS/B/T/423/2024

B.E. Electrical Engg. Examination 2024
[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]

Q.1.	Times of performing a job element are recorded and some readings taken (in minutes) are as under. <table><tr><td>0.07</td><td>0.05</td><td>0.06</td><td>0.05</td><td>0.06</td><td>0.06</td><td>0.07</td><td>0.05</td><td>0.07</td><td>0.06</td><td>0.06</td></tr></table> Find the actual number of readings required for conducting the time study of the job element.	0.07	0.05	0.06	0.05	0.06	0.06	0.07	0.05	0.07	0.06	0.06	10 [C04]											
0.07	0.05	0.06	0.05	0.06	0.06	0.07	0.05	0.07	0.06	0.06														
Q.2.	Explain the features of a Line-Staff Organization through a neat sketch.	10 [C02]																						
Q.3	A Pune based ethnic bag manufacturing house consumes an item priced at Rs.20/-, at the rate of 400 units per annum. An inventory of 25 units is always kept as Safety Stock. The lead time for procurement is 1½ months. The cost of ordering is Rs. 40/- per order and the Inventory Carrying cost is 16% per annum. Find: A. Economic Order Quantity B. Reorder Level C. Maximum Level D. Number of Orders per annum	4 + 2 + 2 + 2 = 10 [C04]																						
Q.4.	Explain the contributions of F.W. Taylor in scientific management.	10 [C02]																						
Q.5.	Illustrate the reasons of new facility location with suitable examples.	10 [C01]																						
Q.6.	A. Describe the differences between “Job Enlargement” and “Job Enrichment”. B. Explain the purposes for maintaining inventory.	5 + 5 = 10 [C02]																						
Q.7.	Ten sets of data of a specific item, as under, were collected from a manufacturing house – one set consisting of daily consumption and the other set consisting of lead time for supply <table><tr><td>Daily Consumption (nos.)</td><td>120</td><td>130</td><td>115</td><td>112</td><td>120</td><td>118</td><td>130</td><td>127</td><td>119</td><td>115</td></tr><tr><td>Lead Time for Supply(days)</td><td>24</td><td>28</td><td>26</td><td>32</td><td>27</td><td>26</td><td>25</td><td>32</td><td>27</td><td>24</td></tr></table> Find the quantity of Safety Stock the company should keep for the item.	Daily Consumption (nos.)	120	130	115	112	120	118	130	127	119	115	Lead Time for Supply(days)	24	28	26	32	27	26	25	32	27	24	10 [C04]
Daily Consumption (nos.)	120	130	115	112	120	118	130	127	119	115														
Lead Time for Supply(days)	24	28	26	32	27	26	25	32	27	24														
Q.8.	A. Describe the features of Breakdown Maintenance. B. Differentiate between MTTR & MTTF.	6 + 4 = 10 [C02]																						