

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

Eighth Semester B.E. Degree Examination, Dec.09-Jan.10
Industrial Management, Electrical Estimation and
Economics

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

- 1 a. Compare and Contrast traditional management with scientific management. (05 Marks)
b. Explain Taylor's principles of management. (05 Marks)
c. Explain Fayol's principles of management. (10 Marks)
- 2 a. Discuss the need for coordination in a business organization. (05 Marks)
b. Discuss the nature and purpose of matrix organization. (05 Marks)
c. Explain Marlow's hierarchy needs and satisfaction of needs. (10 Marks)
- 3 a. Discuss theory x and theory y. (05 Marks)
b. Why people resist change? Discuss. (05 Marks)
c. Describe the Contributions of Elton Mayo to behavioural science. (10 Marks)
- 4 a. How are the employees selected and placed in jobs? (05 Marks)
b. State and explain the common sources of recruitment for the manpower requirements of an organization. (05 Marks)
c. Explain the objectives and advantages of training supervisors and executives in a big manufacturing company. (10 Marks)
- 5 a. Define plant layout. Explain the objectives of good plant layout. (05 Marks)
b. Explain the different kinds of production processes. (05 Marks)
c. What do you mean by production planning and control? Discuss in detail. (10 Marks)
- 6 a. Explain the utility of flow charts. (05 Marks)
b. What are the forms and characteristics of automation? (05 Marks)
c. What is line balancing? Why is it necessary? Explain the different methods of line balancing. (10 Marks)
- 7 a. Explain break even analysis. (05 Marks)
b. The following particulars are given for the purchase of a machine: Invoice Cost = Rs.3500/-
Transportation Cost = Rs.60/- Installation Cost = Rs.190/- Accessories = Rs.250/- Estimated salvage value = Rs.600/- Estimated life = 20 years. Calculate by straight line method
i) Amount to be recovered; ii) Annual depreciation Cost; iii) The depreciation book value at the end of 10 years. (05 Marks)
c. Discuss Economic order quantity and inventory control models in detail. (10 Marks)
- 8 a. Explain the necessity of earthing, also mention the various types of earthing. (05 Marks)
b. A 10 h.p irrigation pumpset along with star delta starter is to be installed at the centre of a pump house of size 2 mts x 3 mts adjacent to the well. Prepare a detailed estimate of cost for
i) Interior wiring of the induction motor
ii) Normal lighting to be provided.
Assume current market rates of the material and other expenses. (15 Marks)