FIFTH SEMESTER B.TECH DEGREE EXAMINATION

13.502 ENGINEERING MANAGEMENT FOR ELECTRONIC ENGINEERS (AT)

Time: 3 Hours   Max. Marks : 100

PART – A

(Answer all questions. Each question carries 2 marks.)

1. Differentiate between professional and business ethics?
2. Define Globalization. Illustrate with one example.
3. Give salient features of Laissez Faire style of leadership?
4. What is TQM?
5. What is acceptance sampling?
6. What are the principle elements of cost?
7. Give two limitations of breakeven chart?
8. What is a joint stock company?
9. What is failure density curve?
10.   What is meant by product life cycle?

PART – B
(Answer any one question from each Module.)
Module – I
11.   What are the principles and functions of management. Discuss.   (10x 2=20 Marks)

12.   What are the different types of ownership. How are they formed. (5 x 4 Marks)
      Compare their features
Module – II

13.   Explain how employees are recruited for an organization .Discuss the selection process   (20 Marks)

14.   What are the different types of capital. Explain about the various sources of finance.   (20 Marks)

Module – III

15. Explain any four methods for calculating depreciation. An old car is purchased for Rs 95,000/-. Its life was estimated as 10 years and the scrap value as Rs 32,000/- . Using the reducing balances method calculate the depreciation rate and the depreciation fund at the end of two years.
(10 + 5 +5 = 20 Marks)

16. What is the importance of break even analysis. Draw a breakeven chart and explain all its interpretations. The fixed costs of the year 2015-2016 are Rs 16 Lakhs. The variable cost per unit is Rs 80/- The estimated sales for the period is Rs 40 Lakhs. Each unit sells at Rs 400/-
Find the break even point and turn over required for a profit of Rs 12 Lakhs.
(10 + 5 +5 = 20 Marks)

Module – IV

17. Distinguish between MTTF & MTBF. Discuss on reliability of Series and Parallel systems   (10+10 marks)

18. Discuss about probability, frequency, duration and expectation indices of system reliability   (20 Marks)