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NEW SCHEME

Eighth Semester B.E. Degree Examination, May 2007
Electrical & Electronic Engineering
Industrial Management, Electrical Estimation
and Economics

Time: 3 hrs.]

[Max. Marks:100

Note : Answer any FIVE full questions.

- 1
 - a. Explain Taylor's principles of management. (06 Marks)
 - b. Compare traditional management with scientific management. (08 Marks)
 - c. Is management an art or science? Explain. (06 Marks)
- 2
 - a. Briefly explain each function of management. (10 Marks)
 - b. State the types of organizations and explain their working, highlighting its merits and demerits. (10 Marks)
- 3
 - a. How are the employees selected and placed in jobs? Describe the procedure for the selection and placement of workers. (10 Marks)
 - b. Explain how the industrial disputes arise and how are they settled. (10 Marks)
- 4
 - a. Explain Maslow's hierarchy of needs and satisfaction of needs. (10 Marks)
 - b. What are the forms and characteristics of automation? Explain its advantages and disadvantages. (10 Marks)
- 5
 - a. Explain the terms PERT and CPM and also their applications, advantages and disadvantages. (10 Marks)
 - b. Prepare an estimate of earthing using GI pipe for 1.50 mts assuming suitable present market rates. Draw the approximate figure. (10 Marks)
- 6
 - a. The cost of an asset is Rs.10000/-, it has a salvage value of Rs.1000/- at the end of 5 years. Evaluate its book value at the end of 3rd year, taking depreciation by:
 - i) Straight line method.
 - ii) Reducing balance method.
 - iii) Sum of digits method. (10 Marks)
 - b. Explain the kinds of depreciation in detail. (10 Marks)
- 7

A small workshop of inner dimensions 10 m × 8 m, has to be equipped with the following machines:

1 HP, 400 V; 3 ph motor for drilling machine.
 ½ HP, 230 V; 1 ph motor for grinding machine.
 3 HP, 400 V, 3 ph motor for lathe machine.
 5 KVA, 400 V, Welding transformer.

Assume efficiency as 85% and power factor of 0.8 for all machines.
 Draw the working diagram for electrical connections starting from main switch.
 Prepare the estimate of cost for the power distribution arrangement. (20 Marks)
- 8

Write short notes on any four :

a. Break – Even – Analysis.	b. Inventory control.
c. Plant layout.	d. S.Q.C
e. Theory X and Y.	f. Henry Fayol's principles of management. (20 Marks)