

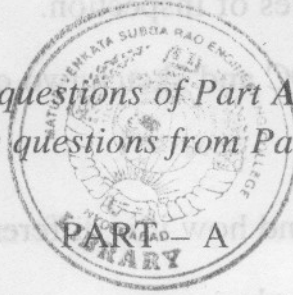
Code No. : 6496/N

FACULTY OF ENGINEERING
B.E. 4/4 (EE/Inst.) (II Semester) (New) Examination, June 2010
INDUSTRIAL ADMINISTRATION AND FINANCIAL MANAGEMENT

Time: 3 Hours]

[Max. Marks: 75

*Note : Answer all questions of Part A.
Answer five questions from Part B.*



(2.5×10=25 Marks)

1. Distinguish between administration, management and organisation.
2. State the advantage of selecting a site for a manufacturing industry in rural area.
3. Name any three work recording techniques used in work simplification program.
4. How is job evaluation different from merit rating ?
5. Define the term quality circle.
6. Find the control limits for \bar{X} chart given :
 $\bar{X} = 30$ $\bar{R} = 20$ $A_2 = 0.58$ $D_3 = 0$ $D_4 = 2.114$
7. Explain the following terminology used in PERT network :
a) Event b) Dummy activity c) Network
8. State the main duties of the storekeeper.
9. What do you understand by the term "cost of capital" ?
10. What are "on cost" ? State the different types with at least one example in each.

PART - B

(5×10=50 Marks)

11. What are the important factors which help in designing an optimum layout of an industry ? State any three types of layouts and explain with applications any one of the layouts.



12. a) Explain the procedural steps in calculating the standard time.
b) Explain principles of motion economy as applied for work place.
13. a) State the types and objectives of inspection.
b) Describe the concept of SQC and sketch two quality control charts used for attributes.
14. a) Define the term “quality” and how it is different from inspection.
b) Explain a double sampling plan.
15. a) State the objective of material management.
b) What is E.O.Q ? How is it different from EBS ? Derive stating assumptions the expression for EOQ.
16. Define the term “Depreciation”. State the causes of it. An electric generator was purchased for Rs. 3,20,000/- and the estimated life was ten (10) years. The residual value at the end of its useful life may be assumed as Rs. 80,000/-. Using the reducing balance method calculate :
- a) Annual depreciation rate
b) Value of the asset at the end.
17. Write notes on **any two (2)** of the following :
- a) CPM – its principles and application in project management.
b) Line and staff type of organisation structure.
c) Any three (3) types of wage payment plans.