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B.Tech.(ECE/ETE) (2011 onwards) (Sem.-6)
ENGINEERING ECONOMICS & INDUSTRIAL MANAGEMENT
Subject Code : BTEC-603
Paper ID : [A2317]

Max. Marks : 60

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

- a) Enumerate the inputs required for breakeven analysis.
- b) What is the effect of uncertainty in breakeven analysis?
- c) Differentiate between challenger and defender in replacement studies.
- d) Enumerate the qualifications of an estimator.
- e) What is productivity index?
- f) What are organizational charts?
- g) What are the major activities of management?
- h) What do you understand by industrial ownership?
- i) Enumerate the duties of purchase manager.
- j) What are various types of inventories associated with production systems?

SECTION-B

2. Discuss the graphical breakeven method for three alternatives.
3. Briefly describe the discounted cash flow replacement analysis technique used in equipment replacement.
4. Discuss the concepts of scientific management as proposed by F. W. Taylor.
5. What do you understand by inventory? Describe continuous review system and periodic review inventory control systems.
6. What is meant by delegation of authority? Discuss the benefits and means of effective delegation of authority.

SECTION-C

7.
 - a) Discuss the procedure for estimating material cost and labour cost.
 - b) Explain uniform annual cost method for selection of alternatives.
8.
 - a) Discuss principles of management as propounded by Fayol.
 - b) Discuss the elements involved in organizing processes. What are the objectives of organization and how does it help in the performance of other management functions?
9.
 - a) What are various types of depreciations associated with production systems? Describe any one method for evaluating depreciation in industrial situation.
 - b) What do you understand by economics order quantity (EOQ)? How EOQ is calculated?