

B. Tech Degree VIII Semester Examination, April 2009

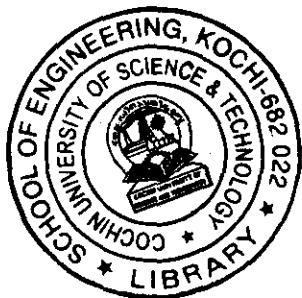
CE 801 CONSTRUCTION MANAGEMENT II (1999 Scheme)

Time : 3 Hours

Maximum Marks : 100

- I. Write in brief the characteristics, types and use of following equipments. (20)
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|--------------|-----------------|
| (i) Dozer | (ii) Excavators |
| (iii) Cranes | (iv) Dumpers |
- OR**
- II. (a) List and describe any five cash flow affecting ownership cost. (10)
- (b) A construction company needs Dumpers, the three alternatives available are
- | | |
|---|--|
| (i) Purchase new Dumpers at the rate of Rs.1,68,00,000/- and sell after 4 years Rs.50,00,000/- each | |
| (ii) Lease Dumpers at the rate 41,00,000/- per year by paying in beginning of the year and also maintain the equipment. | |
| (iii) Buy new Dumpers by paying 40,00,000 for each now and 45,00,000 per year for 3 years. | |
- If MARR (Minimum attractive rate of return) is 8% which alternative is to be considered using NPW (net present worth) (10)
- III. (a) What do you understand by transportation problem? (5)
- (b) A company has 3 factories F1, F2 and F3 and ware houses at W1, W2 and W3. Monthly factory capacities are 120, 80 and 80 units respectively. The ware house requirements are 150, 80 and 50 units/month respectively. The shipping cost from factory to ware house are given in table
- | | | | | | |
|-------------|----|-----|----|----|--------------|
| | | W1 | W2 | W3 | Availability |
| Factory | F1 | 8 | 8 | 15 | 120 |
| | F2 | 15 | 10 | 17 | 80 |
| | F3 | 3 | 9 | 10 | 80 |
| Requirement | | 150 | 80 | 50 | |
- Now, calculate the optimum distribution to minimize shipping cost. (15)
- OR**
- IV. (a) What is EOQ and explain its role in inventory management? (6)
- (b) What are the assumptions made to calculate EOQ? (8)
- (c) Describe ABC system in inventory control. (6)
- V. (a) Explain the concept of gross and net working capital. (10)
- (b) How would you plan the long term capital requirement of a firm. (10)
- OR**
- VI. Differentiate between --
- | | |
|---|--------------|
| (i) Permanent working Capital Vs. Variable Working Capital | |
| (ii) Financial Leverage Vs. Operating Leverage | |
| (iv) Profitability Vs. Liquidity | |
| (v) Inventory rate of return Vs. Accounting rate of return. | (4 x 5 = 20) |

(Turn Over)



(2)

- VII. (a) Why are the fixed assets shown in their book value rather than Market Value even though market value is appreciated? (10)
- (b) Distinguish between
- (i) Bonus Share Vs Right Share
 - (ii) Earning yield Vs Dividend yield. (10)
- OR**
- VIII. Explain the P&L account and Balance Sheet, their need for internal control and importance to external parties. (20)
- IX. (a) Explain the relationship between
- (i) Data and Information
 - (ii) Information and Knowledge (8)
- (b) Describe the application of IT in the context of a construction company's business management perspective. (12)
- OR**
- X. (a) Describe the role of MIS and its uses in Management decision making. (5)
- (b) Explain various considerations of
- (i) File design
 - (ii) Selection of File Media
 - (iii) File Organisation Methods. (15)
