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May, 2019

M.Tech. (M & A) - II SEMESTER (Reappear)

Material Management (MMA-106)

Time : 3 Hours]

[Max. Marks : 75

Instructions :

1. *It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.*
2. *Answer any four questions from Part-B in detail.*
3. *Different sub-parts of a question are to be attempted adjacent to each other.*

PART-A

1. (a) State any three objectives of material management? (1.5)
- (b) What is productivity? (1.5)
- (c) Define materials planning. (1.5)
- (d) Explain break-even point theory. (1.5)
- (e) What is price forecasting? Explain with an example. (1.5)
- (f) Name the factors influencing vendor rating? (1.5)
- (g) Differentiate between cost control and cost reduction. (1.5)
- (h) What is demand management? (1.5)

- (i) Write three benefits of codification in store management? (1.5)
- (j) How cost reduction impact on value improvement? (1.5)

PART-B

2. (a) Discuss either material management is a science or an art. (8)
- (b) Explain the concept of operating cycle in material management. (7)
3. (a) Explain the steps involved in materials requirement planning. (8)
- (b) A plan is operating on its 60% of full capacity. A buyer offered to buy 4000 units at Rs. 5/- per unit while the average cost is Rs. 6/-. Now the problem is whether to accept this order or not. The other details of the product are :
- | | | |
|----------------------|----------------|-----|
| Present output | : 20,000 units | |
| Direct material cost | : Rs. 10,000/- | |
| Direct labour cost | : Rs. 10,000/- | |
| Fixed cost | : Rs. 40,000/- | (7) |
4. (a) What is the need for evaluation of the "right source" during purchase? With an industrial example explain "weight point method". (8)
- (b) Discuss the role of purchasing in new product development. (7)

5. (a) With an example, describe ABC analysis. Also state advantages and limitations. (8)
- (b) Explain the principles of effective material handling. (7)
6. (a) Explain the objectives and control techniques of policy decision with suitable examples. (8)
- (b) Discuss the role of purchasing in cost reduction. (7)
7. Write short notes on the following : (15)
- (a) Scrap Value Analysis.
- (b) Quantity discount model.
- (c) Price Determination.