00355

M.Sc. CREATIVE DESIGNING (CAD/CAM) (MSCCRD)

Term-End Examination

June, 2012

MFW-048 : MANAGEMENT - III

Time : 3 Hours   *Maximum Marks : 70*

Note :   *Attempt **any seven** questions. All question carry equal marks.*

1. (a)   What is moving average method and exponential smoothing method of forecasting ? How they are related and why ?   **5x2=10**

    (b)   What is forecasting error ? What are the measures of forecasting errors ? Which one would you use in evaluating a forecast, MAD or Bias and why ?

2. (a)   What is out sourcing ? How out sourcing could be used to increase the capacity ? Discuss with an example.   **5x2=10**

    (b)   What is line balancing ? Discuss the steps to be taken in balancing the line.

3. (a) What is the difference between designed, planned and demonstrated capacity ? Explain with examples.   5x2=10

 (b) What is the reason for demonstrated capacity being different from designed and planned capacities ?

4. (a) What are the objectives of inventory control ? Discuss the various options for controlling the inventory.   5x2=10

 (b) What is the function of safety stock or buffer stock ? What are all the different uncertainities against which you would like to protect the inventory ?

5. (a) How is management control different in a cellular manufacturing layout situation as compared to the traditional situation of a process or layout ? Discuss with the help of suitable examples.   5x2=10

 (b) Explain fixed position layout by schematic diagram. Write down its merits and demerits.

6. (a) Define productivity. Mention different measures for checking productivity. Write down the measures to increase productivity ?   5x2=10

(b) A good work study should be followed by good supervision, for getting good results. Explain and elaborate on this statement.

7. Discuss the steps in calculation of Break-even point. How break even analysis is used to make a choice for selection between two machines ? **10**

8. Explain the following for the six sigma belts : **10**

   (a) Green belts

   (b) Black belts

   (c) Master black belts

   What are the benefits of six sigma in an

   organisation ? Discuss.

9. What are the different types of control charts ? Give the application of each type of chart. **5x2=10**

   (a) What are the elements of a Control chart ? Discuss the steps in a preparation of $\overline{X}$-R control chart. What do the $\overline{X}$, R and control limits indicate ?

   (b) Discuss the role of p and c charts in process control.

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