Code No: MB1624/R16

MBA II Semester Regular Examinations, May -2017
PRODUCTION AND OPERATIONS MANAGEMENT

Time: 3 Hours   **Max. Marks: 60**

*Answer Any **FIVE** Questions*
All Questions Carry Equal Marks
Question No. 8 is Compulsory

1. a   What do you understand by manufacturing process technology? Explain the role of CAD in manufacturing.
    b   Explain the historic evolution of Production and operations management.

2. a   Discuss the relationship between work measurement and job design. Which typically follows the other? Why?
    b   What is layout planning? Explain the different types of layouts.

3. a   Explain the problems in materials requirement planning and capacity requirement planning.
    b   Distinguish among the characteristic features of job batch and flow production. Mention with reason the type of production process you will like to recommend for
        i.   An Industrial unit manufacturing drugs and medicines
        ii.   A Commercial bank
        iii. A Car company

4. a   What do you mean by acceptance sampling? How acceptance sampling operates?
    b   What is the need for inventory control? Explain any one of the inventory control techniques in detail.

5. a   Elucidate Deming's contribution to quality.
    b   Describe the principles behind   Six Sigma.

6. a   What do you mean by productivity? Explain the factors affecting productivity.
    b   Define Quality? What are the prime determinants of quality? Mention various costs of quality? How does the definition of quality differ for a good or service?

7. a   Define value. Explain the steps involved in value analysis.
    b   What are the objectives of stores management? Explain requirements for efficient management of stores.

8.   A manufacturer has to supply his customer with 600 units of his product per year. Shortages are not allowed and storage cost amounts to 60 paise per unit per year. The set up cost is Rs 80.
        Find
        i.   EOQ
        ii.   Minimum average yearly cost.
        iii. Optimum number of order per day
        iv.   Optimum period of supply per optimum order.