

SUBJECT: PRODUCTION AND OPERATION MANAGEMENT (MBA/206)

UNIT I

1. Explain the significance of location. Discuss the Important factors those decide the best location. 14
2. "Operations Management" is the vital area of Management. Discuss various aspects of operations management. 14
3. What are the various types of layout ? Describe them. Give suitable examples. 14
4. What are the responsibilities of a production manger ? Also discuss the qualities desired in a good production manager ? 14
5. Discuss the nature and scope at production operations management. Discuss the recent trends in production and operations management. 14
6. Explain how following factors help improve the competitions of a manufacturing organization.
 - i. Low production cost.
 - ii. Fast delivery products.
 - iii. High Quality of product.
 - iv. Flexibility. 14
7. Organization may be viewed as systems. The system view is important to operations manager. Explain
8. How does operation policy relate to accounting and financial policy and marketing policy? What does this relationship accomplish?
9. Accomplishing an organization's goal requires that operations management account for organization's industry, strategy, and operation policy. How do these elements relate to one another? How do they relate to accomplishing organization goals?
10. What do you understand by production management? What are the major activities which constitute its scope?
11. What is meant by plant layout? Distinguish between process and product layout.
12. Why are the plant – location decisions important in relation to manufacturing system? What production factors are involved?
13. Explain silent features of intermittent production with respect to in process inventory material handling, layout of manufacturing facilities, degree of control, product flexibility and effect of machine breakdown and absenteeism.
14. Discuss in brief different types of manufacturing system with there advantages and disadvantages.

UNIT II

1. What are the strategic, tactic and operational decisions involved in production management ? Describe them.
2. What do you mean by PPC. Discuss in brief the objective and functions of PPC
3. Enlist and discuss duties of Industrial Safety Manager Manufacturing Unit in different category.

4. Suggest the safety measures to be taken by the management of the company engaged in hazardous product manufacturing unit. Justify these measures from the employee's health point of view.
5. Distinguish between production planning and production control and state their objectives. Give illustrations.
6. First plan your work, and then work your plan. Expand this counsel given to the department of production planning and control, describing fully the functions of routing, scheduling, dispatching and follow – up.
7. Quote the importance of industrial safety in context with the today's era.
8. Explain concept production planning. Explain different tool used in production planning.
9. Explain concept production control. Explain different tool used in production control.
10. What is production planning and control and how it is worked out in different types of manufacturing system.
11. Explain the various types of Industrial hazards. How we can prevent it.
12. Explain the various tools used for production scheduling. Explain the Johnson Job Sequencing Method of Production Scheduling. Give Illustration.
13. What is GANTT CHARTS? Explain with GANTT CHARTS with a suitable examples. State its merits and demerits.
14. Discuss steps involved in production planning process. Explain it with suitable example.
15. Discuss steps involved in production control process. Explain it with suitable example.
16. Explain the concept of master production schedule. How it is prepared.
17. What are necessary factors need to be study, which are required for the production planning department? Also discuss its organizational setup.
18. Discuss the role of safety managers role and responsibilities of safety managers. What are the motivating tools a safety manager can use to promote concept of safety management amongs employees.

UNIT III

Long Questions

1. List and discuss at least ten places in a production process where inspection should be considered.
2. What is the necessity of a statistical Quality Control. Explain tools and techniques.
3. What is the necessity of a statistical Quality Control. What are disadvantages of SQC for manufacturing organization. Explain any one control chart used in SQC.
4. Explain the concept of control charts. Enlist and discuss any two control charts with suitable examples.
5. Enlist and discuss different types of control charts for attributes.

6. Enlist and discuss different types of control charts for variable.
7. In quality control, what is meant by a process being 'in control'? When a process is not in control, what possible causes of variation should be considered?
8. What is capacity planning? Enrich your answer with a suitable example.
9. What is ISO-9000? Discuss the objectives of ISO-9000 and how these objectives can be achieved?
10. Acceptance sampling instead of 100% inspection might be appropriate under certain conditions provided that managements are willing to take risks. Describe these risks and outline the various types of sampling schemes that are available together with other information concerning schemes.
11. What do you mean by sampling in Inspection. Explain its different methods.
12. Define quality assurance and enlist the key activities normally covered under it.
13. What is the role of statistics in quality control? Give example of situations where statistics is applicable.
14. What is total quality management? How supply chain considerations be incorporated into the design for a TQM program.
15. Discuss the concept of quality circles. Explain overall functioning of quality circle with suitable illustration.
16. Why is ISO 9000 certification important to a firm? Is an ISO 9000 certification a guarantee for the firm's product quality? Explain your answer.
17. What are the advantages to the firm having ISO 9000 certification? What are the different series of ISO 9000 certification? Explain with an example.
18. Discuss the process of getting ISO 9000 certification. Explain in detail third party / external audit process in ISO 9000 certification.
19. Describe PDCA cycle of total quality management. Explain it with suitable example.

UNIT IV

Long Questions

1. Define Work – Study and explain the need of work study in an enterprise. What are its important objectives. How do trade unions react to work study programs.
2. What are the important roles of method study. Discuss any two techniques of method study in details.
3. Elaborate how work measurement data can assist the management in the following field. A. Incentive, B. Cost Estimation, C. Cost Reduction, D. Production Control.
4. Discuss in detail the steps involved in method study program give suitable example
5. Various techniques of method study and work measurement lead to improvement in productivity. Discuss.
6. How can work study be used for arriving at A. Manufacturing budget, B. Production plant, C. Material Planning.
7. Explain the concept of work sampling. Do you think work sampling is a better technique than time study? Justify your answer.
8. What is work sampling? Explain procedure of work sampling. Explain situations

where work sampling technique is applicable.

9. Define maintenance management and explain its objective and scope.
10. Define maintenance management and discuss different types of maintenance.
11. What are the steps involved in time study program? Explain it in detail with a suitable example.
12. Explain following terms used in work measurement A. Standard Time, B. Normal Time, C. Performance Rating, D. Allowances.
13. Work – study can be divided into two distinct functions, method study and work measurement. Define each and describe one work measurement technique in common use.
14. How does work sampling differs from clock time studies? Is the accuracy of both the methods equal?
15. What are the specific objectives of any maintenance activity in an organization? How would you select an optimum maintenance program?
16. What are the basic principle of motion economy. Discuss these principles in relation to a work area with which you are familiar
17. What is preventive maintenance management ? Enlist advantages and benefits of preventive maintenance management to an organization.
18. Explain the term breakdown maintenance . Enlist risk and disadvantage associated with breakdown maintenance.

UNIT V

Long Questions

- 1) List out and briefly explain the major principles of material handling.
- 2) Enlist important principles of good material handling systems, and discuss any seven principles.
- 3) What are the three major divisions in classification of material handling equipment? Explain these division with suitable example quoting the type of equipment that is to be used.
- 4) What are the various methods, which is used for carrying a material within a manufacturing unit.
- 5) “Selection of right source automatically takes care of every purchasing consideration” Comment and discuss how you will select a right source of supply.
- 6) Draw up a list showing clearly all the information needed on a purchase order, and justify each entry.
- 7) What are the main advantages of an efficient purchasing department? To what extent it is necessary for the firm to form a separate department and what limitations would be incorporated in the terms of reference?
- 8) Discrepancies between stocks records and physical stocks components in a store are causing disruption of production. Explain how discrepancies occur and state what methods you would consider to reduce them.
- 9) What considerations are inherent in inventory management? Discuss in detail

the impact of the various costs associated in inventory.

- 10) What do you mean by inventory control. Enlist and explain selective inventory control techniques.
- 11) Discuss Always Better Control Technique for Inventory Management.
- 12) Discuss the concept of inventory control what are the objective and scope of inventory control.
- 13) Suggest and discuss few indices to judge the performance of material management function in an organization.
- 14) What may be the merits and demerits of making material management as a profit centres.
- 15) What are inventory control models ? And Explain any two in brief.
- 16) Discuss various components of total cost in EQO model.
- 17) Discuss following terms in the context of purchase management. A. Tenders, B. Quotations. C. Bids, D. Expression of Interest, E. Corrigendums, F. Comparative statements.
- 18) Discuss the roles and responsibilities if purchase management.