

**Faculty of Business Management****BBA II-Year, CBCS-IV Semester Regular Examinations –June/July 2022****PAPER: Management Science**

Time: 3 Hours

Max Marks: 80

**Section-A**I. Answer any *five* of the following questions (5x4=20 Marks)

1. Definition of Production
2. Plant Layout
3. VED Analysis
4. Operations Research
5. Transportation
6. LCM
7. LPP
8. Assembling Process

**Section-B**

II. Answer the following questions (5x12=60 Marks)

9. (a) Explain the functions of production planning and control  
(OR)  
(b) Explain the Process life cycle and types of processes in manufacturing company
- 10.(a) Explain the types of layout and its advantages and disadvantages  
(OR)  
(b) What is work study? Explain the Techniques of work study.
- 11.(a) Describe the types of material and its selection and evaluation of vendors.  
(OR)  
(b) What is materials control? Explain the functions of stores control
- 12.(a) What is the nature of Operations Research? and types of OR models.  
(OR)  
(b) What is Linear Programming? Explain the formulation and assumptions of LPP
- 13.(a) What is transportation? Explain the various methods of transportation models  
(OR)  
(b) What is Queue? Explain the structure and characteristics of Queuing.

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**Section-A**

I. Answer any FIVE of the following questions (5x4=20 Marks)

1. Product Life Cycle
2. Plant Location
3. ABC Analysis
4. Limitations of OR
5. Queuing
6. VAM
7. N - Jobs
8. Work Study

**Section-B**

II. Answer the following questions (5x12=60 Marks)

9. (a) Distinguish between Job and Batch processes  
(OR)  
(b) Describe the functions of production planning and control
- 10.(a) What are the factors to be considered for factory location?  
(OR)  
(b) Describe the various types of plant layout with its advantages and disadvantages
- 11.(a) What is EOQ? Explain inventory control techniques  
(OR)  
(b) Explain the classification and codification of Inventory
- 12.(a) What are the types of OR models?  
(OR)  
(b) Explain Linear Programming? Explain the importance and procedure of LPP
- 13.(a) What is assignment? Explain the different methods of assignment problems  
(OR)  
(b) Explain the structure of queues.

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