



UNIVERSITY OF NORTH BENGAL
BBA Honours 4th Semester Examination, 2023

CC10-BBA (403)

PRODUCTION MANAGEMENT

Time Allotted: 2 Hours

Full Marks: 60

The figures in the margin indicate full marks.

GROUP-A

Answer any two questions from the following

12×2 = 24

1. Enumerate the objectives of production management. Also narrate the scope of production and operations management. 5+7
2. Discuss the different factors to be kept in mind while choosing a location for a plant. 12
3. Describe the objectives of production planning and control. Narrate the factors affecting production control. 6+6
4. (a) Discuss the selective Inventory control techniques with special reference to ABC analysis. 7+5
(b) Briefly state the principles of material handling.

GROUP-B

5. Answer any four questions from the following: 6×4 = 24
 - (a) Narrate the characteristics of line production and point out its advantages and limitations. 6
 - (b) Monthly demand for a component is 1000 units. Setting-up cost per batch is ₹120. Cost of manufacture per unit is ₹20. Rate of interest may be considered at 10% p.a. Calculate the Economic Batch Quantity. 6
 - (c) Narrate the features of line production, batch production and job production with suitable examples. 6
 - (d) Differentiate between centralized and decentralized store. 6
 - (e) Discuss the factors affecting product design and product policy. 6

- (f) Six jobs are to be processed on two machines, Machine 1 and Machine 2. Each job is to be processed on the Machine 1 first and following this, the same will be moved to Machine 2 for processing. Following table gives the list of the jobs and processing time required on each machine. Using Johnson's Algorithm schedule the jobs to minimize the processing time.

Job	Processing Time	
	Machine 1	Machine 2
A	5	4
B	2	3
C	13	14
D	10	1
E	8	9
F	12	11

GROUP-C

6. Answer any **four** questions: 3×4 = 12
- (a) Enumerate the methods of work measurement. 3
 - (b) What should be the layout in a ship building factory? 3
 - (c) Enumerate the objectives of total productive maintenance. 3
 - (d) What are the five Ps of production management? 3
 - (e) Explain the purpose of VED Analysis. 3
 - (f) Define and explain the importance of value engineering. 3

—x—