

School of Management and Business Studies
Jamia Hamdard
Examination: BBA Semester V
Production & Operations Management (BBA –C-19)

Time: 3 Hours

Max. Marks- 75

SECTION-A

Attempt any six questions from Section-A

(5X6=30)

Q1. Identify the appropriate layout for each of the following situations. Justify your choice in a sentence or two:

- a. An eye hospital
- b. A motor manufacturer manufacturing 4 product groups for worldwide markets

Q2. Mention the responsibilities of a production manager. Explain how a production manager amalgamates the 5P's, namely, product, plant, process, programme and people.

Q3. Discuss the importance of product design. State the reasons for product design or redesign.

Q4. Compare and contrast Simplification and standardization philosophies in new product development process.

Q5. "Dispatching is the real starting and implementation point of PPC." Explain the statement.

Q6. How PPC in continuous production system differs from PPC in intermittent system.

Q7. List the various principle of motion economy.

Q8. Define standard time and describe the more common allowances given in work standard.

Q9. What is ergonomics? How is it relevant to work place design?

SECTION-B

Attempt any three questions from Section-B

(15X3=45)

Q1. Discuss in detail different types of production system with suitable illustrations.

Q2. Explain the different phases of a new product development process.

Q3. Consider the following data on jobs waiting to be processed on a single machine in a ob shop. They are listed here in order of their arrival at the machine:

JOB	PROCESSING TIME (DAYS)	DUE DATE (DAYS HENCE)
A	5	8
B	3	5
C	4	12
D	7	14
E	2	11

Develop a schedule on these jobs based on the following rules: FCFS, SOT, EDD. In each schedule list the flow time and lateness for each job as well as the mean for each measure.

Q4. Enumerate the various steps involved in method study. List out the various factors which indicate the need for conducting method study.

Q5. a. State the safe practices in handling chemicals.

(7.5 X2=15)

b. Discuss the ill effects of noise in work places. Mention various ways through which we can control noise pollution in the work places.

Q6. Write short notes on any three of the following:

(5X3=15)

- a. Bring out the importance of materials handling.
- b. Discuss the various factors which affect product design
- c. Describe biomechanics and ways to reduce biomechanical hazards.
- d. Discuss the concept of quality circles
- e. Mention the various imperative factors in designing work and rest cycles in ergonomics