12. Discuss the elements of PPC. Why is PPC considered move complex in intermittent production systems than continuous production systems ?

Or

What is process analysis ? How is it done ? Explain using suitable examples. **12**

13. Construct mean and range charts for the following data :

Sample No.	Sample Mean	Sampes Range
1	21.5	2.1
2	22.2	1.1
3	22.7	0.4
4	22.5	1.3
5	23.5	1.6
6	21.6	2.5

Roll No. ..... **Exam Code : M-19**

Subject Code—781

B.B.A. (Third Year) EXAMINATION

(Main & Reappear for Batch 2009-2017)

PRODUCTION MANAGEMENT

BBA-303

Time : 3 *Hours* *Maximum Marks :* 70

Note : Attempt any *seven* questions from Section A (each of 5 marks) and *three* questions from Section B (two questions of 12 marks each and one question of 11 marks).

Section A

1. Briefly explain the functions of production management.

2. Highlight the merits and demerits of process layout.

3. Explain the objectives and advantages of PPC.

4. Discuss the various types of production processes.

5. The following time series shows the sales of a company :

Year	Sales (in lakh Rs.)
2001	11
2002	18
2003	19
2004	23
2005	29
2006	34
2007	40
2008	45
2009	46

Forecast the sales for the year 2010 using the linear regression model.

6. Explain the objectives and process of motion study.

7. What is Inspection ? Discuss the scope and objectives of inspection.

8. Write a note on advantages and limitations of quality control.

9. Why does a firm maintain inventories ? What are the costs associated with inventories ?

10. What is Safety Stock ? Why is it maintained ? How can it be reduced ?

Section B

Note : Attempt all the questions.

11. Elaborate the merits and demerits of intermittent production systems.

Or

Write a note on the importance of location decisions and the factors affecting the location of a plant. **12**

7	22.9	3.5
8	22.1	3.8
9	22.4	3.7
10	22.6	2.1

Each sample has five observations (for n = 5, A_2 = 0.58, D_3 = 0 and D_4 = 2.11.

Or

Write notes on the following :

(a) ABC Analysis

(b) Classification and Codification.

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Or

Write notes on the following :

(a) ABC Analysis

(b) Classification and Codification.