

V

(20516)

Roll No.

BBA-IV Sem.

18057

B.B.A. Examination, May 2016

PRODUCTION MANAGEMENT

(BBA-403)

(New)

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt questions from all Sections as per instructions.

Section-A

(Very Short Answer Questions)

Attempt all the *five* questions of this Section. Each question carries 3 marks. Very short answer is required not exceeding 75 words. $3 \times 5 = 15$

1. Define plant layout and give its objectives.
2. What do you mean by production system?
3. What is JIT?

(2)

4. Explain briefly the process of scheduling of a job.
5. Mention any three drawbacks of inspection.

Section-B

(Short Answer Questions)

This Section contains three questions, attempt (any *two* questions. Each question carries $7\frac{1}{2}$ marks.

$7\frac{1}{2} \times 2 = 15$

6. Explain the benefit of TQM.
7. What is batch production? Explain its features and advantages.
8. Explain the basic steps in value analysis of inventory.

Section-C

(Detailed Answer Questions)

This Section contains five questions, attempt any *three* questions. Each question carries 15 marks. Answer is required in detail. Graph paper be supplied and calculator is allowed. $15 \times 3 = 45$

9. Explain the factors influencing plant location.

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- 10. Discuss the scope of materials management. What are the different levels of inventory to be controlled?
- 11. Explain the tools used in statistical quality control.
- 12. The result of inspection of 10 samples with its average and range are tabulated in the following table. Compute the control limits for the \bar{X} and R-chart and draw the control chart for the data.

SampleNo. (Sample size 5)	\bar{X} (Mean)	R (Range)
1	7.0	2
2	7.5	3
3	8.0	2
4	10.0	2
5	9.5	3
6	11.0	4
7	11.5	3
8	4.0	2
9	3.5	3
10	4.0	2

(The values of various factors based on normal distribution are : $A_2 = 0.58, D_3 = 0, D_4 = 2.11.$)

- 13. An oil engine manufacturer purchases lubricants at the rate of Rs. 42 per piece from a vendor. The requirements of these lubricants are 1800 per year. What should be the economic ordering quantity per order, if the cost per placement of an order is Rs. 16 and inventory carrying charges per rupee per year is 20 paise?

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