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(20517) Roll No. .....

B.B.A.-IV Sem.

18057

B. B. A. Examination, May 2017

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. Each question carries 3 marks. Very short answer is required not exceeding 75 words. 3×5=15

1. Distinguish between product layout and process layout.

2. Explain any three objectives of production management.

3. What is standardization of a product ?

4. What is quality circles ?

5. What are lead time and consumption rate of inventory control ?

Section-B

(Short Answer Questions)

Attempt any *two* questions out of the following three questions. Each question carries 7½ marks. Short answer is required not exceeding 200 words.

7½×2=15

6. Explain the objectives of control charts.

7. Explain the ABC analysis technique of inventory control.

8. What are the types of manufacturing systems ?

Section-C

(Detailed Answer Questions)

Attempt any *three* questions out of the following five questions. Each question carries 15 marks. Answer is required in detail. Graph paper may be supplied and calculator is allowed. 15×3=45

9. Explain the need for selecting a suitable location of a plant.

10. Explain the process of product design and development for a new product.

11. Write short notes on any three of the following :
    (a) Average lead time
    (b) Safety stock
    (c) Reorder point
    (d) Total inventory cost.

12. The following are the inspection results of 10 lots, each lot being 300 items. Number defectives in each lot is 25, 30, 35, 40, 45, 35, 40, 30, 20 and 50. Calculate the average fraction defective and three sigma limit for P-chart and state whether the process is in control.

13. A Ltd. buys its annual requirement of 36,000 units in six instalments. Each unit cost Re. 1 and the ordering cost is Rs. 25. The inventory carrying cost is estimated at 20% of unit value. Find the total annual cost of the existing inventory policy. How much money can be saved by using Economic order quantity ?