

Roll No. ....

**57024**

**BBA 3rd Semester (N.S.) 2011-14**

**Examination–November, 2014**

**Production Management**

**Paper-BBA-304**

**Time : 3 hours**

**Max. Marks : 80**

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

**Note :** Attempt **five** questions in all. Q. No. 1 (Section A) is **compulsory**. From Section B, attempt **four** questions (**one** question from each unit). All questions carry equal marks.

**SECTION A**

1. (a) Explain and illustrate the production process.

57024-4200-(P-4)(Q-9)(14)

(1)

[Turn Over

- (b) What is the importance of location decisions?
- (c) Which decisions are called short-term decisions?
- (d) What is a stationary layout?
- (e) Why are production plans prepared?
- (f) What are the prerequisites for work study?
- (g) What is ABC analysis?
- (h) Explain and illustrate 'attributes'.

**SECTION B**

**Unit I**

2. Discuss the evolution and functions of production management.
3. What are the features of services? Which are the major problems in producing them?

57024-4200-(P-4)(Q-9)(14)

(2)

**Unit II**

- 4. Explain the characteristics, merits and demerits of production to order system.
- 5. What are the objectives of plant layout? How can a good layout help in improving productivity?

**Unit III**

- 6. Write a note on the charts used in method study. Why are these charts constructed?
- 7. Processing times (in hours) of 7 jobs on two machines  $M_1$  and  $M_2$  (in the order  $M_1 \rightarrow M_2$ ) are as given below:

	Jobs						
Machines	1	2	3	4	5	6	7
$M_1$	3	8	7	4	9	8	7
$M_2$	4	3	2	5	1	4	3

Determine the optimal sequence, total elapsed time and idle time for each machine.

**Unit IV**

- 8. What are the advantages and disadvantages of maintaining inventories? How can inventory costs be reduced?
- 9. Ten random samples, each of size 5, were taken for testing the quality of an item and the results obtained were as follows:

Sample No.	1	2	3	4	5	6	7	8	9	10
Mean	23.6	22.0	21.5	22.4	21.5	19.8	20.4	23.2	24.1	22.5
Range	2	3	2	4	5	1	3	4	2	5

Construct the mean and range charts and comment on the process controllability.

(For  $n = 5$ ,  $A_2 = 0.5$ ,  $D_3 = 0$  and  $D_4 = 2.11$ )