School of Pharmaceutical Management

Master of Business Administration
Pharmaceutical Management

Batch-10th (2018-2020) Second Year
Pharmaceutical Production Management

Term Examination

Time - 3 Hour **MM-70**

Note: ***The Question paper has been divided in 2 sections, Section A & B. Each Section is of 35 marks.***

The question paper contains 1 printed page. All questions are compulsory.

(Section A)-35 Marks

***Attempt all questions**: Each question in this section carries equal (11.66) marks.*

Q. 1. A company that makes shopping carts for supermarkets recently purchased new equipment, which reduced the labor content needed to produce the carts. Information concerning the old system (before adding the new equipment) and the new system (after adding the new machines) includes:

	Old System	New System
Output/hr	**80**	**84**
Workers	**5**	**4**
Wage $/hr	**10**	**10**
Machine $/hr	**40**	**50**

(11)

a) Compute labor productivity for both the Old System and the New System.

b) Compute AFP productivity for both the Old System and the New System.

c) Suppose production with old equipment was 30 units of cart A at a price of $100 per cart, and 50 units of cart B at a price of $120. Also suppose that production with new equipment is 50 units of cart A, at a price of $100 per cart, and 30 units of cart B at a price of $120. Compare all-factor productivity for the old and the new systems.

Q. 2. Elaborate the various factors affecting a decision of choosing a location for pharmaceutical plant?

(12)

Q. 3. Define productivity? Distinguish between Production and Productivity? Elaborate the various methods of capital productivity?

(12)

(Section B)-35 Marks

Q.4. Describe about the use of PERT techniques in production management along with its usages in cost analysis of the production process. (11)

Q.5. Describe about the Gantt chart also create a Gantt chart for the pharmaceutical production where time taken for procurement and supply are 5 days respectively while production with QA/QC take place in 10 days with that of packaging in 1 day. (12)

Q.6. Describe about CPM and its benefits in production management, also discuss the use of crashing and influences. (12)