



Course/Branch

: MBA

Semester : III

Subject Name

: Operations Planning & Control

Max. Marks : 100

Subject Code

: KMBNOM02

Time : 180 Min.

- CO-1 : Apply the fundamental of PPC and forecasting methods
- CO-2 : Make use of knowledge of capacity planning and various product/process planning tools
- CO-3 : Devise appropriate strategies concerning aggregate planning
- CO-4 : Apply various techniques of eliminating waste
- CO-5 : Understand production control system

Section – A # 20 Marks (Short Answer Type Questions)

Attempt ALL the questions. Each Question is of 2 marks (10 x 2 = 20 marks)

Q. No.	COx	Question Description # Attempt ALL the questions. Each Question is of 2 marks
1	a	CO1 What are the objectives of production planning? (K1)
	b	CO1 When do we need to take corrective action(s) in production control? (K1)
	c	CO2 Compare infinite loading with finite loading. (K2)
	d	CO2 What are the reasons for difficulties in PPC in job production system? (K2)
	e	CO3 What are the functions of MRP-II? (K1)
	f	CO3 What is meant by ERP? (K1)
	g	CO4 Explain in brief the terms "waste". (K2)
	h	CO4 What do you mean by TIMWOOD? K1)
	i	CO5 What is meant by production control system? (K1)
	j	CO5 What is a multiple activity chart? (K1)

Section – B # 30 Marks (Long / Medium Answer Type Questions)

Attempt ALL the questions. Each Question is of 6 marks (5 x 6 = 30 marks)

- Q.2 (CO-1): Explain various activities/functions of Production Planning & Control (K2)
OR
Explain in brief Delphi method of forecasting with its merits and limitations. (K2)

- Q.3 (CO-2): Explain various capacity planning strategies. (K5)
OR
Distinguish between balanced & unbalanced lines in line balancing. (K4)

- Q.4 (CO-3): Discuss various steps involved in aggregate capacity planning. (K6)
OR
Discuss the characteristics of ERP and reasons to implement ERP system in business firm. (K2)

- Q.5 (CO-4): What are the three broad categories of waste? Explain in brief. (K1)
OR
Explain the 5S techniques for eliminating waste giving suitable examples. (K2)

- Q.6 (CO-5): How will you make use of bar charts in a production control system? (K1)
OR
Explain the role of control rooms in production plants. (K2)

Section – C # 50 Marks (Medium / Long Answer Type Questions)

Attempt ALL the questions. Each Question is of 10 marks.

- Q.7 (CO-1): Attempt any ONE question. Each question is of 10 marks.
a. Elaborate the naive and Exponential Smoothing method of demand forecasting. (K6)
b. Explain various methods used for the demand forecasting of a new product. (K2)

- Q.8 (CO-2): Attempt any ONE question. Each question is of 10 marks.
a. Distinguish between balanced & unbalanced lines in line balancing. (K4)
b. Examine PPC in different production system. (K4)

- Q.9 (CO-3): Attempt any ONE question. Each question is of 10 marks.
a. What is the distinction between labor and capital intensive strategies? (K1)
b. What do you mean by Master Production Scheduling (MPS)? Discuss its objectives & functions. (K6)

- Q.10 (CO-4): Attempt any ONE question. Each question is of 10 marks.
a. What are the various categories of MUDA? Explain in brief each of the categories. (K2)
b. Discuss lean management for maximizing value and minimizing waste. (K6)

- Q.11 (CO-5): Attempt any ONE question. Each question is of 10 marks.
a. Discuss objectives, benefits and elements of control systems. (K6)
b. Outline various strategies for corrective action with respect to production control systems. (K2)