Sub Code:KMBOM02

Paper Id: 270369 Roll No:

MBA
(SEM-III) THEORY EXAMINATION 2019-20
OPERATION PLANNING AND CONTROL

Time: 3 Hours *Total Marks: 100*

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. 2 x 10 = 20

Q no.	Question	Marks	CO
a.	List any four differences between Production and Operations Management	2	1
b.	Write roles of PPC Manager	2	1
c.	Why need of forecasting?	2	1
d.	Define the term batch	2	1
e.	What is Routing?	2	1
f.	Give any four differences between Quantitative and Qualitative Forecasting.	2	1
g.	Define Gantt Charts.	2	1
h.	Define relationship of Time and Motion Study to Work Study.	2	1
i.	What is Multiple Activity Chart?	2	1
j.	State Lean Process.	2	1

SECTION B

2. Attempt any *three* of the following: 3 x 10 = 30

Q no.	Question	Marks	CO
a.	Describe types of capacity. Why capacity planning is important in Operation Planning?	10	2
b.	Why control function is important in Operation Management? Explain roles of control rooms in production plants.	10	2
c.	Table shows the time remaining (number of days until due date) and the work remaining (number of day's work) for 5 jobs which were assigned the letters A to E as they arrived to the shop. Sequence these jobs by priority rules viz., (a) (First come first served) FCFS, (b) (Early due date job first) EDD, (c) (Least slack) LS, (d) (Shortest Processing Time job first) SPT and (e) (Longest Processing time job first) LP	10	3
d.	Write short notes on – (i) Loading – Process and Strategies (ii) Master Production Scheduling	10	2
e.	Discuss the concept of Enterprise Resource Planning (ERP). Describe its characteristics and reasons to implement ERP system in business firms?	10	2

Job	Number of days until due date	Number of day's work remaining
A	8	7
B	3	4
C	7	5
D	9	2
E	6	6

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SECTION C

3. Attempt any *one* part of the following: 1 x 10 = 10

Q no.	Question	Marks	CO
a.	What is the function of an Operation Planning & Control Manager? Is this function different from the function of a marketing manager?	10	2
b.	Define the term "forecasting" What is its purpose? Describe the uses and limitations of weighted moving average method of forecasting	10	2

4. Attempt any *one* part of the following: 1 x 10 = 10

Q no.	Question	Marks	CO
a.	How will you measure the capacity of the plant? Discuss the various strategies for measurement of capacity.	10	5
b.	Illustrate the concept of line balancing with the help of suitable example. Calculate all of its necessary parameters.	10	2

5. Attempt any *one* part of the following: 1 x 10 = 10

Q no.	Question	Marks	CO
a.	What is MRP I & II? Give the salient feature of both.	10	1
b.	Discuss what is aggregate planning? Explain its process.	10	2

6. Attempt any *one* part of the following: 1 x 10 = 10

Q no.	Question	Marks	CO
a.	Describe the types of waste. What are 5S techniques of eliminating wastes?	10	2
b.	What sorts of materials or products are reused for the same or different purposes in any company?	10	1

7. Attempt any *one* part of the following: 1 x 10 = 10

Q no.	Question	Marks	CO
a.	Discuss objectives, benefits and elements of control systems.	10	2
b.	What are the various strategies for corrective actions? Explain each one.	10	2

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