

[10]

SARDAR PATEL UNIVERSITY
B.B.A. (ITM) SEMESTER: VI EXAMINATION (3 YEARS)

2018

Tuesday, 3rd April

10:00 A.M. To 12:00 P.M.

UM06CBB107: OPERATIONS MANAGEMENT**Total Marks: 60****Note:** 1. Figure to the right indicate full marks of question.

2. All questions carry equal marks.

Q-1 Give meaning of operations management and explain scope of operation management. [15]

OR

Q-1 (A) Explain the operating system with diagram. [07]

(B) Role and responsibility of operations managers in modern business environment [08]

Q-2 Explain with illustrations Job production, batch Production and mass production. [15]

OR

Q-2 (A) Discuss the factors affecting to plant layout decisions. [07]

(B) Write note on: 1. Line Layout 2. Process Layout [08]

Q-3 Explain meaning and procedure of time study. [15]

OR

Q-3 (A) Following information is obtained from time study record procedure: [10]

Element	Observed Time (Minutes)	Performance (%)	Rating	Relaxation Allowances (%)
A	0.20		80	11
B	0.08		100	11
C	2.20		90	13
D	0.05		80	11
E	0.10		110	11

Compute:

- Normal time of each element and normal time of the job.
- Standard time of each element and standard time of the job.
- Staff requirement (How many worker will be required?), if 179755 units are to be produced per shift of 8 hours.

(B) Write note on: Man Machine Chart [05]

Q-4 following information of a project is as follows : [15]

Activity	Immediate Predecessor	Activity Time (Days)
A	-	6
B	-	10
C	-	14
D	C	6
E	A,B	14
F	E,D	6
G	D	4
H	F,G	4

You are required to do:

(7)

(P.T.O.)

1. Draw network diagram.
2. Determine critical activity and critical path with the help of CPM
3. How many dummy activities are in network diagram?
4. Calculate EST, EFT, LST, LFT and Slack (Float).

OR

Q-4

Write note on:

[15]

1. Routing
2. Scheduling
3. Dispatching
4. Follow-up

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