

SEAT No. _____

No. of Printed Pages : 2

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SARDAR PATEL UNIVERSITY
BBA(G) SEMESTER VI EXAMINATION 2018
SUBJECT: OPERATIONS MANAGEMENT
SUBJECT CODE: UMO6CBBA01

DATE: 28/03/2018, Wednesday

TIME: 10 AM TO 12 NOON

Note: Figures to the right indicate marks

- Q 1(a) Discuss the production system using the diagram 05
- (b) Explain the role and responsibility of Operations Manager 10

OR

- Q 1(a) Explain the functions of manufacturing management 05
- (b) Briefly explain the major activities covered under the scope of operations management 10

- Q 2(a) Explain (i) process lay-out and (ii) product lay-out 05
- (b) Explain with illustration (i) Job (ii) Lot (iii) Batch and (iv) Mass production 10

OR

- Q 2(a) State the factors affecting to plant lay-out decision? 05
- (b) Distinguish between batch and mass production 10

- Q 3(a) Write note on Method Study procedure 05
- (b) Continuous stop-watch time study figures for a job are given below. Calculate the standard time for the job assuming the sample size adequate and total allowances are 15% 10

Allotment No.	Cycle No.										Performance Rating
	(Cycle time min)										
	1	2	3	4	5	6	7	8	9	10	
1	0.09	0.49	0.89	1.31	1.70	2.09	2.50	2.88	3.29	3.71	90
2	0.16	0.56	0.95	1.38	1.76	2.13	2.57	2.95	3.36	3.78	110
3	0.28	0.67	1.07	1.49	1.88	2.28	2.68	3.07	3.40	3.90	120
4	0.41	0.80	1.21	1.61	2.00	2.41	2.80	3.20	4.62	4.03	100

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(P.T.O.)

OR

Q 3(a) Write note on time study procedure 05

(b) Explain (i) Man Machine Chart (ii) Flow Process Chart and (iii) Operation Process Chart 10

Q 4 From the following information of a project: 15

- (i) Draw PERT diagram
- (ii) Determine critical activities and critical path
- (iii) Compute EST, LST, EFT and LFT
- (iv) How many dummy activities are in the PERT diagram?

Activity	A	B	C	D	E	F	G	H
Immediate Predecessor/s	-	A	A	A	BD	CE	CE	FG
Time (Days)	30	40	15	30	15	15	8	4

OR

Q 4(a) Explain production planning and control. Also give its importance in modern business 05

(b) Write note on (i) Routing (ii) Scheduling (iii) Dispatching and (iv) Follow-up 10

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