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Total Number of Pages: 02  210  210  210  210  210  210  210										
210  Q1  a) b) c) d) 210  e)  f) g) h) i)	/ 111	figures  Ilowing smooth Study a principl ight cos a 63, 64 mple av nean by t charts i? eneral a	y question ing a formand state es in agreement 4, 66, 67 verage, a Lead Ti	e right hons: m of weile the threility? rally con 7, 67, 69 and 3 pe me?	ghted and make differ sidered 9, 71, 7 riod move	verage? ent levelin aggree find the ving aver	How? s in Metl gate plate foreca	marks.  nod Stud  nning?  ast for th	dy.	" 210 ( <b>2 x 10</b> )
<b>Q2</b> <sub>10</sub> <b>a) b)</b>	Explain batch disadvantages Suggest suitab a) Automobile b) Computers In the southern 2019 from variation Feb, 2019  Number of Daily calls i) Prepare a 3-ii) Prepare a 3-iii	part of ous bar 1 92	Delhi, the ks for is 2 210 127	ne numb ssuing cro 3 103 ta. What	for belower of dated to card 4 210 165	ily calls ils has be	ories:  n the moven reco  6  210  111  each day	onths of rded as 7 174 ?	February	<b>(5)</b> 210
Q3 a) 210	Sequence the machines. Also 210	followi compu Ma Jol Analysi	ng jobs uter the i 210 achine A B C D E	to minidle times  M 5 9 4 7 8 6	imize the s of the 210  1	ne proce machine 12	essing ti s. 210	mes on	210	(5) 210
Q4 a)	what is Value Analysis. Explain the prince	e Analy				•			ne Value	(5) (5)

Q5 a) b)	Define Time Study. List Down the various steps in conducting a Stopwatch Time Study. Explain the steps in obtaining ISO 9000 registration.									
<b>Q6</b> 210	A retailer of popular books, demand is constant at 32,000 books per year. The cost of placing an order to replenish stock is Rs. 600, and the annual cost of holding is Rs. 240 per book. Stock is received 5 working days after an order has been placed. No backordering is allowed. Assume 300 working days a year.  a) What-is optimal order quantity, optimal number of orders per year, optimal interval (in working days) between orders?  b) What is demand during the lead time? c) What is the reorder point?									
<b>Q7</b> <sup>10</sup>	Consider the demand for six periods (in man hours) 3000, 3200, 4000, 3600, 4200 and 3800. Regular time capacity is 3600 hours and overtime capacity is 400 hours in a month. The RT, OT and inventory costs are 30, 45 and 5 per unit and per unit per month. Provide a feasible solution using the tabular form?									
Q8 a) b) c)	Write short answer Product Life Cycle Delphi Method Supply Chain Manag	210	210	210	210	<b>(5 x 2)</b>				
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