Name:						
Enrolment No:		UNIVERSITY WITH A PURPOSE				
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, December 2019 Course: Operations and Materials Management Semester: III Program: BBA (FAS) + BBA (AM) Time: 03 Course code: LSCM 2001 Max. Marks: 10 Instructions: Use of calculator is allowed						
motru			Marks	СО		
	SECTIO	N A (Fill in the blanks)				
Q 1	<ul> <li>b) include facilities, and knowledge.</li> <li>c) estimate the future actions of the firm.</li> <li>d) combines state economic variables.</li> <li>e) The maximum load that can be had input/output</li> <li>f) A project is a series of</li> <li>f) A project is a series of</li> <li>g) can move material radius, generally in heavy engineering h) The supply chain with such a fast movery little inventory is termed as</li> <li>i) The two important functions of procession.</li> </ul>	he to the inputs is labor, capital, equipment, raw materials, supplies if future demand taking into account the likely utistical tools with economic theories to estimate ndled by a plant in a given period in terms of directed to accomplishment of a desired terial to lateral or vertical locations over a limited ng workshops, construction projects, ports, etc. ovement of inventory across allowing for zero or  huction management are production planning and from output measures to estimate the	2*10 = 20	CO1, CO2, CO3, CO4, CO5		
		Vrite short notes on any four)	_			
Q 2	Importance of Operations		5	CO1		
Q 3	Demand Forecasting Process		5	CO2		
Q 4	Design Capacity, Effective Capacity and Actual Capacity Classification of Material Handling Equipment		5	CO3		
Q 5	Total Quality Management	pment	5	CO4		
Q 6		(Answer any two questions)	5	CO5		
Q 7	SECTION-C (Answer any two questions) The selling price of a particular product of a company is Rs. 100/unit and variable cost/unit is Rs. 40 and equal amount of fixed cost/unit. The demand generated in the market at the given price is 1000 units/day and its price elasticity of demand is 2. The company is thinking on offering 10% discount. What is your suggestion to the company?		15	CO2		
Q 8	of 60 cc two-wheelers. It supplies 20,000	meters to Speed Auto Ltd. – manufacturers ) speedometers to Speed auto annually. At d the carrying cost is 2.5% of the average	15	CO4		

0.0	inventory value. The price of a single unit is Rs. 200. The company presently has a policy of placing 10 orders every year. Advise the management of Speed Auto as to whether it should continue with its present policy or switch over to the EOQ model.					
Q 9	Name any five renowned quality gurus and mention their contribution in quality management discipline. Discuss the contribution of any two of them in detail.					CO5
	SECTION-D (Read the follo	wing write-up and answer	the questi	ons follow	ved)	I
Q 10	Small-scale industrial unit has following three locations A, B & C available choices for setting plant. The financial and non-financial data collected for three different locations by analysts is summarized in the following table:					
	ltem	A	Site	с		
	(i) Total investment (Rs '000)	400	250	300	10*3 = 30	CO1, CO3
	(ii) Total sales (Rs '000)	440	360	370		
	(iii) Expenses on raw-materials	(Rs '000 100	90	120		
	(iv) Expenses on selling & distr	ibution (Rs '000) 50	60	80		
	(v) Expenses on utilities (Rs '0	00 50	40	25		
	(vi) Salary and wages (Rs '000	) 25	30	25		
	(vii) Community facilities	Excellent	Good	Bad		
	(viii) Industrial relations	Good	V. Good	Good		
	(ix) Cost of living	Extremely Low	Normal	Low		
	(x) Housing facilities	V. Good	Good	Fair		
	Question: Select the best location on the following factors keeping in mind the objectives of production and operations management.(a) financial factors.(b) non-financial factors.					
	(c) over-all factors					