	EXAM: SYBMS- SUB: STRATEGIC EXAM DATE: 4 TH Q.P.CODE: 66170	SEM I COST MAY	V REGUALR MANAGEME 2019	NT						
Q.1.A	1- TRUE	6-	TURE							1 MARK EACH
-	2-FALSE	7-	FALSE							
	3- TRUE	8-	FALSE							
	4- FALSE	9-	Г							
	5-TRUE	10	-F							
Q.1.A	1-E	6-0	С							1 MARK EACH
	2-F	7-	D							
	3-A	8-0	G							
	4-J	9-	В							
	5-1	10	-H							
Q.2 A	CONVENTIONAL	METH	IOD							<u>(3 MARKS)</u>
	particulars		Х		Y		Ζ			
	MATERIALS		20		12		25			
	LABOR		6*0.5= 3		9		6			
	PROD OH		28*1.5= 42		28		84			
	TOTAL PROD CP	U	65		49		115	5		
	X- 750*1.5*28= 31500 Y-1250*1*28= 35000 Z-7000*3*28= 588000									
	PARTICULARS	SET	UP COST	MACHIN	NE COST	MACHINE HANDLING COST		INSPECTION EXP		
	COST	(65 229	4000*35%) 9075	130900	(20%)	98175(15%)		196350 (30%)		
	COST DRIVER	NO	.OF SET UP	MACHIN HOUR	NE	NO. OF MOVEMENT	-	NO.OF INSPECTION		
	COST DRIVER	229	9075/670	130900,	/23375=	98175/120=		196350/1000=		
	RATE	=34	41.9	5.6		818.125		196.35		
	CUP under ABC C	OSTIN	NG <u>(8 MARKS</u>) X 75*341 9=	<u> </u>	Y 115*34	1 9=	Z)*3/1 9=		
	SETUP CUST /5°341.9=				113 341.9=		400 341.7-			L

		25643	39319	164112	
	MACHINE	750*1.5*5.6=	1250*1*5.6=	7000*3*5.6=	
		6300	7000	117600	
	MACHINE	12*818.125=	21*818.125=	87*818.125=	
	HANDLING	9818	17181	71177	
	INSPENCTIN	150*196.35=	180*196.35=	670*196.35=	
		29453	35343	131555	
	TOTAL	71214	98843	484444	
	CPU	94.95	79.07	69.21	
Q.2.B	DIVISION MANGO JUIC	E PARCHASE FROM N	IANGO PULP		(2 MARKS FOR EACH CASE)
	PARTICULARS	MANGO PULP	MANGO JUICE	TOTAL FOR	
				COMPANY	
	SALE OUTSIDE		800000	80000	
	SALES TO DIV	440000		440000	
	MANGO JUICE				
	TOTAL SALES	440000	800000	1240000	
	LESS: TRANSFER		440000	440000	
	FROM DIV			110000	
	LESS : VC	380000	300000	680000	
	LESS : FC	40000	20000	60000	
	PROFIT	20000	40000	60000	
	A) IF MANGO JUICE PU	RCHASE FROM OPEN	MARKET		
	PARTICULARS	MANGO JUICE			
	SALES TO OUTSIDE	800000			
	LESS: VC	300000			
	LESS: PURCHASE OF COMPONANT	400000			
	LESS: FC	20000			
	PROFIT OF DIV MANGO JUICE	80000			
	LESS:FC OF DIV PUI P	(40000)			
	PROFIT OF THE	40000			
	COMPANY				
	DIV MANGO JUICE SHC COAMPNY IS MAXIMUI B)	OULD PURCHASE FRO M	M DIVISION MANGC) PULP SINCE THE PROFIT OF THE	
	PARTICULARS	MANGO JUICE			
	SALES TO OUTSIDE	800000			
	LESS: VC	300000			
	LESS: PURCHASE OF COMPONANT	400000			
		1			

	LESS: FC	20000					
	PROFIT OF DIV	80000					
	MANGO JUICE						
	SAVINGS IN COST	30000					
	FOR DIV PULP						
	LESS:FC OF DIV PULP	(40000)				
	PROFIT OF THE	70000					
	COMPANY						
	DIV MANGO JUICE SHO	ULD PUR	CHASE FROM	OUTSID	E MARKET		
	C)						
	PARTICULARS	MANG	O JUICE				
	SALES TO OUTSIDE	800000)		-		
	LESS: VC	300000)				
	LESS: PURCHASE OF	370000)				
	COMPONANT						
	LESS: FC	20000					
	PROFIT OF DIV	110000)		-		
	MANGO JUICE						
	LESS:EC OF DIV PULP	(40000)		-		
	PROFIT OF THE	70000	1		-		
	COMPANY	/ 0000					
	DIV MANGO JUICE SHO		CHASE FROM	OUTSID	F MARKET		
	D) TP IF DIV. MANGO JU	JICE DEC	IDES TO BUY F	ROM DI	V MANGO PULP SHOULD BE VC OF D	DIV.	
	MANGO PULP RS. 190 F	PER UNIT					
0.2C	FACTORS AFFECTING TH	D_					
	NATURE OF IN			•	CAPACITY UTILISATION	7	
		IRF		•	TYPE OF INTEGRATAION THE		
					COMPANY HAS		
				•	EXTENT OF NEGOTIATION		
		LLERS IVI		•	TTPE OF MILE PROCESS		
0.2.4							
Q.3 A		0011					(3 MARKS FOR
	particulars	CPU	TOTAL FOR				EACH CASE)
	0.11.50		10000 UNII	5			
	SALES	100	1000000				
	LESS: VC	50	500000				
	CONTRIBUTION	50	500000				
	LESS:FC						
	SALARY		2,40,000				
	OFFICE COST		1,60,000				

ADV COST		80,000	
PROFIT		20000	
 A) P/V RATION- B) 1) BEP (UNIT: 2) BEP (RS.)- FC/P/V= 	(CONT/SALE 5)- FC/ CON = 480000/50	ES)*100- (50000 T CPU- 480000/)%= 960000	00/1000000)*100= 50% /50- 9600 UNITS
4) MOS(RS)= ACUTAL 4) MOS (UNITS)= ACU	– BEP-= 10 JTAL – BEP=	10000-960000= 10000-9600= 4	40000
C) IF 12000 UNI	TS SOLD		
PARTICULARS	RS.		
SALES	1200000)	
LESS:VC	600000		
CONTRIBUTIONS	600000		
LESS:FC	480000		
PROFIT	120000		
D) PRICE INCREA Particulars	ASE TO 10%	AND SALARY 60	0000
	110	110000 010115	<u> </u>
	50	F00000	<u> </u>
	50	500000	<u> </u>
	00	000000	<u> </u>
		300000	<u> </u>
		160000	<u> </u>
		80000	—
		60000	—
(PV RATIO=600000/1 BEP (UNITS)- FC/ CON 2) BEP (RS.)- FC/P/V=	100000=54 NT CPU- 54 540000/54	54%) 0000/60- 9000 l 1.545454%=990	JNITS 000
E) FOR YEAR 2016 VARIABLE COST= 50 (+) COMMISSION 5 TOTAL VC= 55			

	PV RATIO= C*100/SALES = 45*100/100= 45% SALES REQUIRED TO EARN DESIRED PROFIT- FC+DP/PV RATIO (480000 + 160000) (45% - 14.22.222.22)									
	(480000 +160000))/45% -14	4,22,222	22						
Q.3B										
	STATEMENT OF C	(4 MARKS)								
	LEVEL SALES	50%	60%	70%	80%	90%	100%			
	SP CUP	2	1.8	1.6	1.5	1.25	1.2			
	VC	1	1	1	1	1	1			
	CONTRIBUTION	1	0.8	0.6	0.5	0.25	0.2			
		25000	24000	20000	20000	11250	10000			
	CONTRIBUTION									
	CONTRIBUTION IS	MAX AT 5	50%							
										(4 MARKS)
	STATEMENT OF PI	ROFITABIL	ITY							\$ <i>t</i>
	PARTICULARS	50%	60%	7	0%	80%	90%	100%		
	TOTAL CONTRIBUTION	25000	2400	0 2	0000	20000	11250	10000		
	LESS:FC	20000	2000	0 2	0000	22000	23000	24000		
	PROFIT/LOSS	5000	4000	1	000	(2000)	(11750)	(14000)		
	M	AX PROFI	T AT 50%							
Q.3 C	A learning curve is a graphical representation of how an increase in learning (measured on the vertical axis) comes from greater experience (the horizontal axis); or how the more someone (or something) performs a task, the better they get at it. In 1936 T. P Wright described the effect of learning on production costs in the aircraft industry Average is smooth									
	Experie	nce								

Q.4.A	1. Sales	s Value Variance- (AQ*AR)- (SQ*SR)	
	SOUP	(440*36)- (600*30)- 2160 A	(3 MARKS
	OIL	1600 F	EACH)
	CREAM	20320 F	
	2.Sai	les Volume Variance- (AQ-RSQ)*SQ	
	SOUP	(440-600)*30=4800 A	
	OIL	1600 F	
	CREAM	25600 F	
	3.Sal	les Price Variance- (AQ-SQ)*AR	
	SOUP	(36-30)440= 2640 F	
	OIL	0	
	CREAM	5280	
	4. S SOUP OIL	ales Mix Variance- (AQ- RSQ)*SR (440-660)*30= 6600A 0	
	CREAM	17600	
	5. S	ales Quantity Variance- (RSQ-SQ)*SR	
	SOUP	(660-600)*30= 1800F	
	OIL	1600F	
	CREAM	8000F	
	REVIS (SALE	ED_SELLING QUANTITY S QTY*TOTAL QUT OF AQ)/TOTAL SDT QUTY	
	SOUP	(600*2200)/2000= 660	
	OIL	440	
	CREAM	1100	

Q.4 B	Particulars	Budget	Actual	VARAINCE		
			105			
	Sales	200	185	15A		
	other variable cost	120	109	11F		
	Fixed cost	30	30	0		
	Sales promotion	10	7	3F		
	Operating profit	40	39	1A		
	Net working capital	100	103	3F		
	Fixed assets	40	37	3A		
	PROFITABILITY	40*100/200=	21%			
	RATIO=(PROFIT/SALES					
)*100	20%				
	RETURN ON	28.75%	27.85%			
	INVESTMENT					
	ΡΡΟΕΙΤ /ΤΟΤΔ (Ι					
	ASSET)*100					
Q.5 A	DMAIC Approach-DEFINE-M	IEASURE- ANAI	LYSE- IMI	PROVE- CON	ITROL	
0.5.0	Write steps				-1 4	
Q.5 B	Product Life cycle costing- ac	cquisition cost-	operating	cost-dispos	sal cost—	
	growth- maturity- saturation	ie cost stages i i- decline	of produc	t life cycle- li	initioduction-	
	growin matarity bataration					
Q.5 1	Benchmarking- Benchmark	ing is a process	s of meas	uring the pe	erformance of a	
	company's products, servic	es, or processe	s against	those of an	other business	
	considered to be the best in	the industry,	aka "best	in class T	YPES-(
	Competitive, internal, functional, ge	neric)BENEFITS	-STEPS			
Q.5 2	Objectives of cost Audit MEA	NING- Cost Audi	t represents	s the verificatio	n of cost	
C	accounts and check on the adhered	nce to cost account	ing plan. Co	ost Audit ascert	tain the accuracy	
	of cost accounting records to ensur	re that they are in o	conformity v	vith Cost Acco	unting	
	principles, plans, procedures	s and objective	200			
	Making of accurate periodica	l financial state	cs ments			
	Help in determining prices of	of finished produ	acts			
	Determination accurate cost	of jobs				
	Help in planning, operations	and stock cont	rol			
	Distribution of overhead cost	ts in a rational 1	manner			

Q.5 3	Total Quality Management- meaning- A core definition of total quality management (TQM) describes a management approach to long-term success through customer satisfaction. In a TQM effort, all members of an organization participate in improving processes, products, services, and the culture in which they work features- process						
Q.3 4	 Advantages and Disadvantages Stand Advantages Valuable guidance to mgt Helps to promote labor efficiency Helps in valuation of closing inventory Design incentive system for employees Timely and effective control 	 Disadvantages Controversial materiality limits for variances. Nonreporting of certain variances. Low morale for some workers. 					
Q.5 5	Transfer Pricing Methods- market pric prorating overall contribution- negotia	ce-cost price- dual price- two step price- ated prices					