Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, May 2019

Course: Cost Accounting

Program: B. Com (Hons)/Banking Insurance Max. Marks: 100

Instructions: Scientific Calculator is allowed

C Code: FINC 1007 Semester: II Time: 03 hrs.

No of Pages : 5 Attempt All Questions

SECTION A

S. No.	Multiple Choice Q	uestions				Marks	СО
Q1	Angle of incidence is the angle between the a. Total cost line and the x-axis b. Sales line and the y-axis c. Sales line and the total variable cost line d. Sales line and the total cost line Usher Ltd. manufactures and sells two products – X and Y. The following data are					1	3
Q 2	estimated fo	Particulars Sales (Units) Sales price per unit (Rs.) Variable cost per unit (Rs.) osts are estimated at Rs.93 ales mix is 100 44 15	Product X 25,000 30.00 23.40	Product Y 40,000 20.00 16.00		1	4

	Differentiate the following		
Q3	Cash Budget and Flexible Budget	1	4
Q4	Standard Sales and Budget Sales	1	5
Q5	Cost Center and Sub Cost Center	1	3
Q 6	Opportunity Cost and Marginal Cost	1	1
Q 7	Material Mix Variance and Material Yield Variance	1	1
Q 8	Cost Allocation and Cost Apportionment	1	2
Q 9	Direct Cost and Indirect Cost	1	4
	Fill in the Blanks		
Q 10	Budget is defined as	1	5
Q 11	Merrick Differential Piece Rate System is defined as	1	1
Q 12	A cost that remains unchanged on a per unit basis in a given time period despite changes in the level of production is called as	1	2
Q 13	Overhead Cost Variance is total of =+	1	3
Q 14	Cost of Goods Sold is Defined as	1	2
Q 15	Contribution per unit of Key Factor is calculated as	1	1
Q 16	Sales of Wastage of Material is subtracted from which cost in cost sheet	1	5
Q 17	The total sales of X ltd. is Rs.300 lakhs and the margin of safety is 200% of break even sales. The break-even sale is	1	2
Q 18	P/V ratio is Change in Contribution/ Change in	1	3
Q 19	Profit at desired sales is calculated as	1	4
Q 20	Variable Cost Ratio is 40%, P/V ratio will be	1	5
	SECTION B		
Q 21	Write Short Notes on the Following: a. Costing Methods b. Key Factor 3 Marks 3 Marks	5	4
Q 22	Briefly Explain Budgetary Control System and various steps in Budgetary Control System?	5	4

Q 23	BTC ltd has 4 production production departments	Departmer	nts-A, B, C ,D . Ap	portion the overh	neads to the		
	Overheads:						
	Rent		Rs. 36,0				
	Power		Rs. 8,25				
	Indirect Wages	Rs. 5,20					
	Depreciation on Machin	iery	Rs. 22,0				
	Electricity		Rs. 5,60				
	Canteen Expenses		Rs. 6,50	0			
	Additional Information:					5	4
	BASIS	Α	В	С	D		
	Light Point (Nos.)	7	7	9	5		
	Floor Space (Sq. mts.)	300	250	450	200		
	Horse Power of	65	30	30	40		
	Machines (Hp)						
	No of Workers	2	3	6	2		
	Direct Wages	12,000	14,000	18,000	8,000		
	Cost of Machine	50,000	60,000	80,000	10,000		
	Differential Piece Rate to 75% of piece rate when to 125% of piece rate when the second piece rate whe	be applied below stand	l: dard			5	3
	The workers have product Somu- 240 Units	ced in a day	of 8 hours as fo	llows:			
	•	ced in a day					
	Somu- 240 Units	ced in a day	of 8 hours as fo				
Q 25	Somu- 240 Units	,	SECTION-C	:	Limited		
Q 25	Somu- 240 Units Balu- 400 Units	,	SECTION-C	:	Limited		
Q 25	Somu- 240 Units Balu- 400 Units Following information ar	e available	SECTION-C	8 and 2019 of PIX			
Q 25	Somu- 240 Units Balu- 400 Units Following information ar Year	e available 2018 Rs. 32	SECTION-C for the year 2018	8 and 2019 of PIX 2019	00	10	3
Q 25	Somu- 240 Units Balu- 400 Units Following information ar Year Sales	e available 2018 Rs. 32	SECTION-C for the year 2018 ,00,000	2019 and 2019 of PIX 2019 Rs. 57,00,0	00	10	3
Q 25	Following information ar Year Sales Profit/Loss	e available 2018 Rs. 32	SECTION-C for the year 2018 ,00,000	2019 and 2019 of PIX 2019 Rs. 57,00,0	00	10	3
Q 25	Somu- 240 Units Balu- 400 Units Following information ar Year Sales Profit/Loss Calculate	e available 2018 Rs. 32 (Rs. 3,	SECTION-C for the year 2018 ,00,000	2019 and 2019 of PIX 2019 Rs. 57,00,0	00 0	10	3

Q 26	Prepare Cost Sheet for year ending 31st Ma	rch 2019 with the following particulars:		
	Particulars	Rs.		
	Raw Materials:	N3.		
	Opening Stock	10,000		
	Purchases	85,000		
	Closing Stock	4,000		
	Direct Wages	20,000		
	Direct Expenses	10,000		
	Factory Overheads	100% of Direct Wages		
	Office and Administration Overheads	10% of Factory Cost	10	5
	Selling and Distribution Overheads	Rs 2 per Unit sold		
	Finished Goods:			
	Opening Stock (1000 units)	16,000		
	Produced During the Year (10,000			
	Units)			
	Closing Stock (2000 Units)	31,020		
	Sales	1,97,600		
		7- 7		
Q 27	A factory is currently running at 50% capa	city and produces 5000 units at a cost of		
	Rs. 90 per Unit as per details given below:			
	is. 50 per offic as per details given below.			
	Material Rs. 50 Per Un	it		
	Labour Rs. 15 Per Uni	t		
	Factory Overheads Rs. 15 Per u	nit (Rs. 6 per unit- Fixed- Rs. 30,000)		
	•			
	Administrative Overhead Rs. 10 Per U	Jnit (Rs. 5 per unit- Fixed- Rs. 25,000)	10	5
	The current selling price is Rs. 100 per unincreases by 2%, selling price per unit falls unit increases by 5%, selling price per unit falls	by 2%. At 80% capacity, material cost per		
	Prepare a flexible budget showing profits Capacity.	s of the factory ant 50%, 60% and 80%		

			SECTION-D		
Q 28	Given the follow	ving Particulars, Calcula	te the Overhead Variances:		
	Standard Rate p Actual Hours Standard Hours Budgeted Overh Actual Overhead	for Actual Output neads	Rs. 6 40,000 42,000 Rs. 1,40,000 Rs. 1,44,000	15	4
Q 29	Given the follow	ving Particulars, Calcula Standar Units	te the Sales Variances: d Rate (Rs.)		
	A	5,000	5		
	В	4,000	6		
	С	3,000	7		
		Actual		15	5
	Product	Units	Rate (Rs.)		
	A	6,000	6		
	В	5,000	5		
	С	4,000	8		
	Explain Materia	l Variances and Labour	OR Variances with example		
		2			

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Attempt All Questions

SECTION A

No of Pages : 5

S. No.	Multiple Choice Questions	Marks	СО
Q1	Excellent Company earned a profit of Rs.10,00,000 on a sale of Rs.2,00,00,000. In the next period the sale fell by 50% and the profit by 60%. The P/V ratio is e. 6% f. 50% g. 60% h. 5%	1	3
Q 2	If at a production level of 30,000 units, the production, selling and distribution expenses paid amount to Rs. 1,20,000 and at a level of 50,000 units, the amount is Rs. 1,80,000, then the fixed cost is a. Rs. 60,000 b. Rs. 50,000 c. Rs. 40,000 d. Rs. 30,000	1	4
	Differentiate the following		
Q 3	Sales Budget and Production Budget	1	4
Q4	Actual Quantity and Standard Quantity for Actual Output	1	5
Q 5	Unit Costing and Marginal Costing	1	3
Q 6	Normal Cost and Abnormal Cost	1	1
Q7	Responsibility of Budget Controller and Budget Committee	1	1
Q 8	Cost and Expenses	1	2
Q9	Contribution and Profit	1	4
	Fill in the Blanks		
Q 10	Budgetary Control System is defined as	1	5

Q 11	Time rate System is defined as		1	1
Q 12	Fixed Cost is defined as		1	2
Q 13	Operating Budget is defined as		1	3
Q 14	Net Factory Cost is Defined as		1	2
Q 15	Labour Efficiency Variance is calculated as		1	1
Q 16	Purchases of Material is added in which part of cost sheet		1	5
Q 17	I had a chance to rent my shop for Rs.50,000 for three months, but stranger to live in there so I left it vacant' term of describe the amount of Rs.50,000		1	2
Q 18	A budget that is prepared for more than one level of activity is called as		1	3
Q 19	Sales Budget is defined as		1	4
Q 20	Budget Manual is defined as		1	5
	SECTION B			
Q 21	Lotas ltd. manufactures three products X, Y & Z. The Unit Selling prices products are Rs. 100, Rs. 160 and Rs. 75 respectively. The corresponding costs are Rs. 50, Rs. 80 and Rs. 30 respectively. The proportions (quantich these products are manufactured and sold are 20%, 30% and 50 Total Fixed Cost is Rs. 14, 80,000. Calculate the overall Breakever product wise breakup of such quantity	ng unit variable lantity wise) in 0%respectively.	5	4
Q 22	What is meant by Budget ? State the benefits of a budgetary control sy	stem	5	4
Q 23	Moremoney Ltd. manufactures 2 products A & B, and the following data	a is available		
	A B			
	Output (units) 2,000 1,500			
	Direct. Labour hrs. per unit. 6 4	1		
	No. of orders handled 16 4	1		
	Machine hrs per unit 4 3		_	_
	No. of set-ups 8 10	1	5	4

	Overhead costs activity wise:				
	Machine activity	Rs.87,500			
	Order handling	Rs.25,000			
	Production run set-ups	Rs.27,000			
	Compute the overhea	ads to be absorbed p	er unit of products A & B		
Q 24:	Explain Merrick's Differential	Piece Rate System	with Example	5	3
	1	SECTIO	N-C		
Q 25					
Q 23	Alpha ltd. manufactures and	markets a single pro	duct. The following data is available:		
			\neg		
		Per unit (Rs.)			
	Material	16			
	Conversion cost (var)	12			
	Dealer margin	10% of selling			
		price			
	Selling price	40			
				10	3
	Fixed cost	= Rs.5 lacs			
	Present sales	= 90,000 units			
	Capacity utilization	= 60%.			
	There is stiff competition		quired to sell.		
	Following suggestions are				
	i. By reducing sales price				
	ii. By increasing dealer m	-	isting rate.		
	Which of the 2 suggestion	ns would you recom	mend to maintain the present profit		

the half	year ending 31st March 2019:			
		Rs.		
	Purchase of Raw Materials	2,40,000		
	Factory Rent, Rates and Insurance	16,000		
	Carriage Inwards	2880		
	Other Factory Overheads	80,000		
	Direct Wages	2,00,000		
	Stock (Opening)			
	Raw Material	40,000		
	Finished Products (2000 Tones)	30,000	10	
	Stock (Closing)			
	Raw Material	44,480		
	Finished Products (4000 Tones)	64,000		
	Work in Progress (Opening)	9600		
	Work in Progress (Closing	40,000		
	Sales (Finished Product)	5,98,000		
	Administration Overheads	8,000		
	cising, discounts allowed and selling costs are R dity were produced during the period.	s. 1 per tonne. 32,000 tonns of		

Q 27		as existing capacity of 50 of 80% and 100% capacit		_		
	Raw Mat	erial – Rs. 80 per unit				
	Direct lab	oour- Rs. 50 per unit				
	Direct Ev	penses- Rs. 15 per unit			10	5
	Direct Ex	penses- ks. 15 per unit				
	Factory E	expenses- Rs. 50,000 (of v	vhich 50% are fixed)			
	Administ	ration Expenses- Rs. 60,0	000(of which 40% are	fixed)		
			SECTION-D			
Q 28	Briefly Explain La	abour Variances with Exa	mple		15	4
Q 29	Variances:	ving Particulars, Calculat Standard	e the waterial with, i	Tice, osage a a cost		
	Material	Quantity (Kilos)	Unit Price (Rs.)	Total(Rs.)		
	Α	10	2	20		
	В	20	3	60		
	C	20	6	120		
	Total	50		200		
	Actual					5
	Material	Quantity (Kilos)	Unit Price (Rs.)	Total(Rs.)		
	Α	5	3	15		
	В	10	6	60		
	С	15	5	75		
	Total	30		150		
	OR					
	Explain Sales Va	riances with example				