## STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 86 (For candidates admitted from the academic year 2023 - 2024)

## **B.COM. DEGREE EXAMINATION, APRIL 2024 COMMERCE** SECOND SEMESTER

**COURSE MAJOR CORE** 

**PAPER COST ACCOUNTING** 23CM /MC/ CT24

SUBJECT CODE : 23CM/MC TIME : 3 HOURS **MAX. MARKS: 100** 

	SECTION A $(5 \times 2 = 10)$						
Q. No.	Answer all the questions:	CO	KL				
1.	State any two objectives of Cost accounting.	1	K1				
2.	Mention the significance of computing EOQ.	1	K1				
3.	What is overtime wages?	1	K1				
4.	Write any two differences between apportionment and allocation of overheads.	1	K1				
5.	What is activity- based costing?	1	K1				
	SECTION B						
Q. No.	Answer all the questions: $(5 \times 2 = 10)$	CO	KL				
6.	Ascertain the profit and for the year 2020, when cost of sales is ₹ 3,00,000 and profit is 20% of sales.	2	K2				
7.	Compute EOQ, when the consumption of material per annum is ₹8,000, ordering cost per order is ₹25 and storage and carrying cost per annum is 10% of inventory value.	2	K2				
8.	Calculate the labour turnover under replacement method, when the number of employees replaced during 2019: 1,000, employees on 1/1/2019: 7,000 and employees on 31/12/2019: 9,000.						
9.	Compute the overhead absorption rate as per prime cost method, when direct materials is ₹ 75,000, direct labour is ₹ 30,000 and the works overhead is ₹ 15,000.	2	K2				
10.	Find out Abnormal Loss/ Gain units and mention it's treatment in process account, when input is 5,000 units, normal loss is 20% and the output is 4,300 units.	2	K2				
	SECTION C						
Q. No.	Answer any two questions: $(2 \times 10 = 20)$	CO	KL				
11.	From the following information calculate the earnings of the worker for a week under: (a) Straight piece rate, (b) Differential piece rate, (c) Halsey plan and (d) Rowan plan, when Number of working hours per week is 48, Wages per hour - ₹ 375, Normal time per piece- 20 minutes, Rate per piece- ₹ 150 and actual output is 150 units. Differential piece rate: 80% of piece rate when output is below standard and 120% when above standard.	3	К3				

12	From the following information, calculate:  a) Maximum stock level b) Minimum stock level c) Reorder level d) Average stock level Minimum consumption – 240 units per day, maximum consumption – 420 units per day, normal consumption – 300 units per day, reorder quantity – 3600 units, reorder period – 10-15 days and normal reorder period – 12 days.						3	К3
13.	Calculate machine hour	rate fron	n the follow	wing:	1		3	К3
	Cost of machine				₹ 19,200			
	Estimated scrap value				₹ 1,200			
	Repair charges per mo	onth			₹ 150			
	Standing charges allocation to machine per month ₹ 50   Effective working life of machine 10,000 hours   Running time per month 166 hours   Power used by machine 5 units per hours							
	Effective working life	of machine			10,000 hours			
	Running time per month 166 hours							
		SI	ECTION 1	D				
Q. No.	Answer any two quest					x 10 = 20	CO	KL
14.	A factory has three serv						4	K4
	=		_	_				
	departments- X and Y. The following are the expenses allocated and apportioned to the departments as per primary distribution summary.    L M N X Y							
	₹ 10,000   ₹	8,000	₹ 12,000	₹ 30,0	000 ₹ 40,0	00		
	The following additional information is also available on the basis of a detailed analysis made.							
	Service departments Production							
			3.4	3.7	departmen			
	L's service used	L	M 20%	N 30%	X 30%	Y 20%		
	M's service used		-	40%	30%	30%		
	N's service used	_	-	-	60%	40%		
	Prepare a statement sho	wing app	ortionmen	t of servi				
	overheads under the step ladder method.							

		/3/	23CM	/MC/	C124	
15.	Shriman operates a taxi, compute cost per running kilometre from the					
	following details:	rticulars	₹			
	Purchase price of taxi	50,000				
	Insurance per annum		1,000			
	Rent of garage per month	า	100			
	Tyres & Tubes per set (A		4,000			
	Driver's wage per day of 8 hours (Average distance per day 160 kms)					
	Fuel cost per gallon (A gallon lasts 24 km)  12					
	Repairs per annum 1,200					
	Stand and police paymen	its ner annum	2,600			
	Interest on bank loan for		4,000			
	Kms run per annum	the taxi per aimain	20,000			
	Life of the taxi (in Km)		1,00,000			
1.0			, ,	4	17.4	
16.			cesses A&B for May 2020.	4	K4	
	Particulars	Process A (₹)	Process B (₹)			
	Materials consumed	50,000	10,000			
	Wages	20,000	30,000			
	Overheads 10,000 10,000  Process A transfers its output to process B at a profit of 20% on transfer price					
	and Process B transfers its	•				
	finished goods are sold for					
	stock account and profit and loss account showing the total profit for the					
	month, assuming the sundry expenses were ₹ 20,000, which were not apportioned to the processes.					
	apportioned to the process	SECTION E				
Q. No.	Answer any two que		$(2 \times 20 = 40)$	CO	KL	
17.	Prepare cost sheet for the year 2021 from the following showing the cost and					
-71	cost per unit. Number of units produced 2,000.					
	Particulars	, , , , , , , , , , , , , , , , , , ,	₹			
	Opening stock of raw ma	10,000				
	Purchases		1,80,000			
	Direct wages	56,000				
	Indirect wages		48,000			
	Closing stock of raw mat	terials	12,000			
	Work in progress on 01.0		5,000			
	Work in progress on 31.		6,000			
	Factory over heads		26,000			
	Office overheads	45,000				
	Selling overheads	16,000				
	Opening stock of finished goods (100 units) 20,000					
	Closing stock of finished goods 120 units. Profit 10% on sales.					
	During the year 2022, it is decided to increase the production to 2,400 units. It					
	is anticipated that:					
	a) Material price will increase by 10%					
	b) Wages will reduce	<u>-</u>				
	c) Other expenses will remain constant per unit.					
1	d) Expected profit 20% on sales.					
	Ascertain selling price to be fixed per unit.					
	Ascertain selling price to	be fixed per unit.				

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18.	From the fo	llowing informati	on prepare s	tores ledge	er using FIFO	O method.		5	K5
	Date	Partio	culars	Q	Quantity and Amount				
	Jan 01	Opening balance	e	100	100 units @ ₹ 5 each				
	Jan 05	Received	500	500 units @ ₹ 6 each					
	Jan 20	Issued		units					
	Feb 05	Issued			units				
	Feb 06	Received back f		der 10 u	10 units 600 units @ ₹ 5 each				
		issued on 5 <sup>th</sup> Fe	bruary						
	Feb 07	Received							
	Feb 20	Issued			units	-41-			
	Feb 25				nits purchas ruary	ed on 7 <sup>th</sup>			
	Feb 26	Issued							
	March 10				units @ ₹ 7	per unit			
	March 15	Issued			units	I			
		cation on 15 <sup>th</sup> Ma	rch revealed						
19.		e overheads alloc					e are	5	K5
17.				section dop	ar criticates 11 d				110
		also two service departments X and Y. X renders service worth ₹ 12,000 to Y and the balance to A and B as 3:2.							
		ervice to A and B							
	Particu		A	В	X	Y			
	Floor s	pace (Sq. ft)	5,000	4,000	1,000	2,000			
	Assets	•	10,00,000	5,00,000	3,00,000	1,00,000			
		machines	1,000	500	400	100			
	No. of	workers	10	50	50	25			
	Light a	nd fan points	50	30	20	20			
	Expenses and charges are:								
	Expens	ses	₹	₹ Expenses					
	Deprec	iation	1,90,000	Power		20,000			
	Rent, R	Rates & Taxes	36,000	Canteen	expenses	10,800			
	Insurar	ice	15,200	Electrici		4,800			
20.	A product passes through two process and then to finished stock. The normal wastage of each process is as follows:  Process A – 30 % and Process B – 5%.  The wastage of process A was sold @ ₹ 5 per unit and that of process B @							5	K5
	₹ 10 per unit. 20,000 units were introduced into process A at the beginning of								
	January 2017 at a cost of ₹ 40 per unit.								
	Other expenses were as under:				(T)	D/T			
	Particulars				$\frac{\operatorname{cess} A(\xi)}{\operatorname{Process} B(\xi)}$		_		
	Sundry ma	terials		40,000 60,000					
	Wages	•			2,00,000 3,20,000				
		ring expenses		30,000 28,500					
	The output of process A was 19,000 units and that of process B 18,200 units. Prepare the Process account, Normal Loss account, Abnormal Loss account and Abnormal Gain account.								
	and Honorn	iai Gain account.							

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