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

B. Com DEGREE EXAMINATION, APRIL 2024 ACCOUNTING AND FINANCE SECOND SEMESTER

COURSE : MAJOR CORE

PAPER : COST CONCEPTS AND METHODS

SUBJECT CODE : 23AF/MC/CC23

TIME : 3 HOURS MAX. MARKS: 100

Q.	SECTION A $(5 \times 2 = 10)$	CO	KL				
No.	Answer all the questions:						
1.	Write a note on Direct Material.	CO1	K1				
2.	Find out the EOQ from the following information:	CO1	K1				
	Monthly consumption $-3,000$ units						
	Cost per unit - Rs. 54						
	Ordering cost - Rs. 150 per order						
	Inventory carrying cost 20% of the average inventory						
3.	Apportion the cost of power to the departments:	CO1	K1				
	Cost of Power: Rs. 10,000						
	Kilowatt hours (KWH) of power consumed:						
	Department X: 620 KWH						
	Department Y: 380 KWH						
	Department Z: 1000 KWH						
4.	Write a note on joint products.	CO1	K1				
5.	A tourist car run on a 20 km. long route for the chief executive of a	CO1	K1				
	multinational firm. He buys a car costing Rs.1,50,000. The car will make 4						
	round trips each day and that the car will be on the road for 25 days on an						
	average per month. What will be the total km in a month?						
Q.	SECTION B $(4 \times 5 = 20)$	CO	KL				
No.	Answer any four questions:						
6.	Define cost accounting and write its objectives.	CO2	K2				
7.	The following data are from the costing records of Sam Industries Ltd., in	CO2	K2				
	respect of Job No.123:						
	Materials consumed Rs. 6,000						
	Wages:						
	Cutting Department 20 hours at Rs. 50 per hour						
	Shearing Department 10 hours at Rs. 40 per hour						
	Boring Department 5 hours at Rs. 60 per hour						
	Variable overheads for the respective departments are estimated as follows:						
	Cutting Department Rs. 40,000 for 2,000 Direct labour hours						
	Shearing Department Rs. 20,000 for 2,500 Direct labour hours						
	Boring Department Rs. 10,000 for 400 Direct Labour hours						
	Fixed overheads are estimated at Rs. 1,00,000 for 20,000 normal working						
	hours.						
	You are required to ascertain the cost of job No. 123 and calculate						
1	the price to be charged so as to give a profit of 20% on cost.		1				

b) Show the treatment of plant in contract account from the following information: a. Plant issued to contract on 1st January 2022 Rs. 2,00,000 b. Plant costing Rs. 10,000 was transferred to another contract on 30th June 2022. c. A plant costing Rs. 6,000 was stolen in transit and another costing Rs. 5,000 was destroyed by fire before installation. There was fire cum burglary insurance to the full value. d. Plant costing Rs. 2,000 was sold for Rs. 3,000 e. Plant at the end of December was valued by charging deprecation at 10% p.a. 13. From the following particulars prepare a statement of Labour cost showing the cost per day (a) Monthly salary = Rs. 900 (b) Leave salary = 5 % of (a) (c) Employer's contribution to provident fund = 8.5 % of (a) and (b) (d) Employer's contribution to E.S.I = 3% of (a) and (b) (e) pro rata expenditure on amenities to labour =Rs. 112 per head per month (f) Number of working hours in a month of 25 days of 8 hours per day OR b) From the particulars given below write up the stores ledger card: January 2023	CO3	K3
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b) From the particulars given below write up the stores ledger card:		
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l laniary /11/3		
1 Opening Stock 1,000 units at Rs. 26 each		
5 Purchased 500 units at Rs. 24.50 each		
7 Issued 750 units 10 Purchased 1,500 units at Rs. 24 each		
12 Issued 1,100 units		
15 Purchased 1,000 units at Rs. 25 each		
17 Issued 500 units		
18 Issued 300 units		
25 Purchased 1,500 units at Rs. 26 each		
29 Issued 1,500 units		
Adopt the FIFO Method of issue and ascertain the value of Closing Stock.		
	CO4	K4
a) departments A, B and C. In April 2023, the department expenses were		
Departments A B C D E		
Rs. Rs. Rs. Rs. Rs.		
6,50,000 6,00,000 5,00,000 1,20,000 1,00,000		
The expenses of the service departments are allotted on a percentage		
basis as follows:		
A B C D E		
D 30 40 15 - 15		
D 30 40 15 - 15 E 40 30 25 5 -		
D 30 40 15 - 15 E 40 30 25 5 - Prepare a statement showing distribution of the expenses of the two service		
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b)	In a light Factory, the following particulars have been collected for the three-								
		onthly period ended 31.12.2023. compute the departmental overhead rate							
	for the production d	_ ·	, assuming	that o	verhea	ds are rec	covered as a		
	percentage of direct								
	Particulars		tion Depart				epartments		
	277	A	В	C		D	E		
	Direct Wages	2,000	3,000		000	1,000			
	Direct materials	1,000	2,000	-	000	1,500	-		
	Staff (Nos.),	100	150		150	50			
	Electricity (kwh)	4,000	3,000	2,0	000	1,000			
	Light Points (Rs.)	10	16	20.0	4	10.000			
	Assets value (Rs.) Area occupied	60,000	40,000 250	30,0	50	10,000			
	(Sq. Mts.)	130	230		30	30	, 30		
	The expenses for the	nariod war	·o·						
	The expenses for the	Rs.	С.				Rs.		
	Motive power	550	Amenities	e to eta	off		1,500		
	Lighting power	100	Repairs a			nce	3,000		
	Stores overhead	400	General C			100	6,000		
	Depreciation	15,000	Rent and				275		
	Apportion the expenses of service department E proportionate to direct								
	wages and that to se		-		_	-			
	A, B and C respectively.								
15.									K4
a)	S industries produces a product which passes through two processes I and II								
	and then to finished								
	10% is scrap which realizes Rs. 5 per ton and Rs. 15 per ton respectively in								
	process I and II. The		details are a			T-5	**		
	Particulars			ocess I		11			
		consumed in		20		140			
		terials per t	on in rupee			300			
	Wages in r	_	•		,000	15,000			
		ring expens	ses in rupee	s 60	00	5000			
	Prepare process acco	ount.							
			ΩD						
b)	A product passes the	rough throa	OR	ΛЪ	and C	From th	a following		
		_	•	, А, Б	and C	. Pioni u	ie following		
	information prepare the process Accounts. Process A Process B Process C								
	Materials (in	Rc)		,000	11000	1,500	500		
	Labour (in Rs	*		5,000		8,000	6,500		
	Overheads (in	*		,050		1,188	2,009		
	Actual Output			,500		9,100	8,100		
	Normal Loss	i (iii Oilita ,	, ,	3%		5%	8%		
	Scrap Value p	er unit	0.25 1		0.50) Paise	Re.1.00		
	1 1								
	Raw materials of 10,000 units were introduced into Process A in the								

beginning at a cost of Re.1 per unit.

Q.		SECTI	ON D		(2 x	15 = 30)	CO	KL
No.	Answer any two questions:							<u> </u>
16.	From the following particulars, calculate earnings of a worker under:						CO5	K5
	a. Time Rate System							
	b. Piece Wage R							
	c. Halsey Plan and							
	d. Rowan Plan							
	Wage Rate - Rs. 2 per hour Production per hour 4 units							
	Production per hour - 4 units Dearness Allowance - Re. 1 per hour							
	Standard ti							
	Actual time taken - 50 hours							
	Production - 250 units							
17.	Mars Ltd. has three departm	ents P, Q	and R and	two servi	ce depart	ments X	CO5	K5
	and Y.				2.25			
	The following particulars	are availa	ble for th	e month	of Marc	h 2023,		
	concerning the organisation.		D 1	5 000				
	Rent			5,000				
	Municipal taxes Rs. 5,000							
	Electricity Rs. 2,400							
	Indirect Wages Rs. 6,000							
	Power Rs. 6,000							
	Depreciation on machinery Rs. 40,000							
	Canteen expenses Rs. 30,000 Other labour related cost Rs. 10,000							
	Other labour related cost Rs. 10,000 The following further details are also available:							
	The following further details are also available:							
	Service Service							
	Particulars	Production Departments Departments						
	Tarticulars	P	Q	R	X	Y		
	Floor Space (Sq. mts)	1,000	1,250	1,500	1,000	250		
	Light points	40	60	80	40	20		
	Direct wages (Rs.)	12,000	8,000	12,000	6,000	2,000		
	Horse Power of Machines	60	30	50	10	2,000		
	Cost of Machines (Rs.)	48,000	64,000	80,000	4,000	4,000		
	Cost of Machines (Rs.)	70,000	04,000	00,000	7,000	7,000		
	The expenses of service de	nartments	are to be	allocated	in the fo	allowing		
	The expenses of service departments are to be allocated in the following manner:							
	mamici.							
	PQ	R	X	7				
	X 20% 30%	40%		%				
	Y 40% 20%	30%	10%	70				
	1 40/0 20/0	30/0	10/0					
	You are asked to calculate th	e total ove	erhead of t	he three ni	oduction			
	You are asked to calculate the total overhead of the three production							
	departments.							

18.	The following details a	re available in respe	ect of Processes 'A' and 'B	' for	CO5	K5			
	September 2023:								
	Process A Process B								
	Rs. Rs.								
	Materials consumed Wages Overhead50,000 20,000 10,00010,000 30,000 10,000Process 'A' transfers its output to Process 'B' at a profit of 20% on transfer								
	price and Process 'B' to	cost.							
	The finished goods are	unts,							
	finished stock account a	r the							
	monthly assuming the sundry expenses were Rs. 20,000 which were not								
	apportioned to the processes								
