

SOMAIYA

VIDYAVIHAR UNIVERSITY



Dr. Shantilal K. Somaiya School of Commerce and Business Steplies

QUESTION PAPERS

BRANCH: Bachelor of Commerce	SEM: I
(Accounting & Finance)	
	OCT/NOV-2023

Sr. No.	Subject	Available
1.	Financial Accounting I (A)	
2.	Financial Accounting I (B)	
3.	Cost Accounting	
4.	Cost Accounting I (A), (B)	
5.	Statistical Techniques & Logical Reasoning (A)	
6.	Statistical Techniques & Logical Reasoning (B), CC)	
7.	Fundamentals of Economics	
8.	Corporate Finance I (A). (B)	
9.		
10.		
11.		
12.		
13.		
14.		
15.		









Semester (August 2023 to November 2023) Examination: End Semester Examination October/November 2023 (UG Programmes) Programme code: 02 Class: Programme: Bachelor of Commerce in Accounting Semester: I F.Y.B.A.F and Finance Name of the Constituent College: Name of the Department: S K Somaiya College Accounting and Finance Course Code: Name of the Course: Financial Accounting I Maximum Marks: 60 Duration: 2 Hrs. Instructions: 1)Draw neat diagrams 2)Assume suitable data if necessary 3)all calculations are a part of the working note

Question No.					Max. Marks	Co Attainment
Q.IA.	Mr. A, proprietor of A Journal. The Journal recurrent year on 1 Apr scheme. Mr. A would should be recorded in the	(05)	COI			
Q.1.B.	PK Ltd. acquired a pla on 1st January 2002, or An initial payment of yearly installments of the year. If the interest rate is interest and repayment	(05)	CO1			
Q.1.C.	Rakesh Jha buys a car 2,00,000. Cash price of charges and all. The binstallments of Rs2,63 prepare the schedule principal and interest.	of the car valance an ,390 charg	is Rs 10,00,000 inc nount is paid in 4 e ging interest at 12%	luding RTO qual annual per annum.	(05)	CO5
Q.2.A.	The Trial Balance Mr. accounts for the year e			Rs.	(15)	CO2
	Cash in hand	1,000	Capital Account	41,860		
	Machinery	30,000	Sales	1,38,780		
	Drawings	2,500	R.D.D.	560		
	Factory, Power and Fuel	450	Sundry Creditors	8,800		
	Office Salaries	6,225	1			
	Carriage outwards	500				
	Manufacturing wages	9,300				
	Furniture and Fixture	3,400				

	Opening Stock:						,	
	- Finished goods	4,000		!				
	- Work-in-progress	7,250						
	- Raw Materials	2,800						
	Carriage Inwards	1,000						
	Rent (Factory 3/4)	4,000						
	Sundry Debtors	21,600						
	Advertisement	775						
	Printing & Stationery	1,200			1			
	Factory Insurance	1,280						
	Purchase of Raw Material	82,950						
	Balance at Bank	8,530	1					1
	Discount Allowed	610						
	Miscellaneous	630						
,	Expenses	1,90,000			,90,000			
	and Work-in-progress Depreciate Machiner	s Rs.4,750. y at 15% p.a	., Motor Car a		s Rs.750 .a.,			
	and Work-in-progress Depreciate Machinery Furniture and Fixture Outstanding office sa	s Rs.4,750. y at 15% p.a s at 15% p.a laries Rs 30	., Motor Car a					
	Depreciate Machinery Furniture and Fixture Outstanding office sa	s Rs.4,750. y at 15% p.a s at 15% p.a laries Rs 30 OR	., Motor Car a 00	at 20% p	.a.,	(15)	(CO4)	
Q.2.B.	Depreciate Machinery Furniture and Fixture	s Rs.4,750. y at 15% p.a s at 15% p.a laries Rs 30 OR I Balance as operate und	on 31st Dece	mber 20 ons X , Y	.a., 17 of	(15)	(CO4)	
Q.2.B.	Depreciate Machinery Furniture and Fixture Outstanding office sa Following is the Tria Gupta Traders. They with independent un	s Rs.4,750. y at 15% p.a s at 15% p.a laries Rs 30 OR I Balance as operate und	on 31st Dece	mber 20 ons X , Y	.a., 17 of 7 & Z	(15)	(CO4)	
Q.2.B.	Depreciate Machinery Furniture and Fixture Outstanding office sa Following is the Tria Gupta Traders. They with independent un	s Rs.4,750. y at 15% p.a s at 15% p.a laries Rs 30 OR I Balance as operate und ait looking at	on 31st Dece er three divisi	mber 20 ons X , Y	.a., 17 of 7 & Z	(15)	(CO4)	
Q.2.B.	Depreciate Machinery Furniture and Fixture Outstanding office sa Following is the Tria Gupta Traders. They with independent un Particulars Mr. Gupta's Cap	s Rs.4,750. y at 15% p.a s at 15% p.a laries Rs 30 OR I Balance as operate und ait looking at	on 31st Dece er three divisi	mber 20 ons X , Yrtment:	.a., 17 of 7 & Z	(15)	(CO4)	
Q.2.B.	Depreciate Machinery Furniture and Fixture Outstanding office sa Following is the Tria Gupta Traders. They with independent un Particulars Mr. Gupta's Cap Stock:	s Rs.4,750. y at 15% p.a s at 15% p.a laries Rs 30 OR I Balance as operate und ait looking at	on 31st Dece er three divisifter each depa	mber 20 ons X , Yrtment:	.a., 17 of 7 & Z	(15)	(CO4)	
Q.2.B.	Depreciate Machinery Furniture and Fixture Outstanding office sa Following is the Tria Gupta Traders. They with independent un Particulars Mr. Gupta's Cap	s Rs.4,750. y at 15% p.a s at 15% p.a laries Rs 30 OR I Balance as operate und ait looking at	on 31st Dece er three divisifter each depa	mber 20 ons X , Yrtment:	.a., 17 of 7 & Z	(15)	(CO4)	
Q.2.B.	Depreciate Machinery Furniture and Fixture Outstanding office sa Following is the Tria Gupta Traders. They with independent un Particulars Mr. Gupta's Cap Stock:	s Rs.4,750. y at 15% p.a s at 15% p.a laries Rs 30 OR I Balance as operate und ait looking at	on 31st Dece er three divisifter each depa	mber 20 ons X , Yrtment:	.a., 17 of 7 & Z	(15)	(CO4)	
Q.2.B.	Depreciate Machinery Furniture and Fixture Outstanding office sa Following is the Tria Gupta Traders. They with independent un Particulars Mr. Gupta's Cap Stock: X Y Z	s Rs.4,750. y at 15% p.a s at 15% p.a laries Rs 30 OR I Balance as operate und ait looking at	on 31st Dece er three divisifter each depa	mber 20 ons X , Yrtment:	.a., 17 of 7 & Z	(15)	(CO4)	
Q.2.B.	Depreciate Machinery Furniture and Fixture Outstanding office sa Following is the Tria Gupta Traders. They with independent un Particulars Mr. Gupta's Cap Stock:	s Rs.4,750. y at 15% p.a s at 15% p.a laries Rs 30 OR I Balance as operate und ait looking at	on 31st Dece er three divisifter each depa	mber 20 ons X , Yrtment:	.a., 17 of 7 & Z	(15)	(CO4)	
Q.2.B.	Depreciate Machinery Furniture and Fixture Outstanding office sa Following is the Tria Gupta Traders. They with independent un Particulars Mr. Gupta's Cap Stock: X Y Z	s Rs.4,750. y at 15% p.a s at 15% p.a laries Rs 30 OR I Balance as operate und ait looking at	on 31st Dece er three divisifter each depa	mber 20 ons X , Yrtment:	.a., 17 of 7 & Z	(15)	(CO4)	
Q.2.B.	Depreciate Machinery Furniture and Fixture Outstanding office sa Following is the Tria Gupta Traders. They with independent un Particulars Mr. Gupta's Cap Stock: X Y Z	s Rs.4,750. y at 15% p.a s at 15% p.a laries Rs 30 OR I Balance as operate und ait looking at	on 31st Dece er three divisi fter each depa Debit Rs. 20,000 15,000	mber 20 ons X , Yrtment:	.a., 17 of 7 & Z	(15)	(CO4)	

	J _ · · · ·				Spanish K. Su
	X		11 00 000	!	1 1 1 1
	V		1,00,000		Tar and the same
	177		75,000		THEADIN EA
	Z	<u>j</u>	50,000		
	Salaries	25,000			
	Rent & Rates	5,000			
	Selling & Distribu	ution 9,000			
	Expenses				
	Land & Building	1			
	Furniture & Fixtur	res 10,000			
	Cash in Hand	5,000			
	Cash at Bank	10,000			
	Sundry Debtors	25,000			
	Sundry Creditors		44,000		
		3,69,000			
	Other Information :	13,09,000	3,69,000		
.A.	basis of sales of each Prepare an income state of each division and ball	ement in columnar forr lance sheet at the end o	of the year.		
.A.	Mr. Bharat Waghela co on 1stJanuary, 2020, w	ommenced business as	s a spice Mercha	ant (15)	C03
	day, no purchased furi	niture for each Rs 6	00. On the sat	ne	
	maintained by Single El	ntry.			
	From the following part a) Prepare cash according	count for year ending 3	1 12 20		
	b) prepare a Tradin	ig and Profit and Loss	Account for the		
	year ending 31st	December 2020 and			
	Particulors	as on 31st December 2	1		
	Proprietors drawings	S			
	Sales (including cash	h sales of Rs. 1 400)	3 400		
	Purchases (including	g cash purchases of Rs.	800) 3,000		
	Salaries of Staff		1 1001		
,	Business Expenses	ff	100		
	104-1 6		140		
	Stock of goods on 31	1-12-2020	1 300	1	
	Sundry Debtors on 3	1-12-2020 1-12-2020	1,300 1,040		
	Sundry Debtors on 3 Sundry Creditors on	1-12-2020 1-12-2020 31-12-2020 oth for personal use	1,300 1,040 720 100		

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	Provide depreciation on Assume 12% interest on All workings form part of	capital at the e	per cent per end of the ye	annum. ar			
		OR					
Q.3.B.	Analyze the following si your understanding of As Mr. Shah, proprietor of Sadha on COD (cash on whether sales should be March 2023 or not - a) 2023; or (b) cash has bee		CO1				
Q.3.C.	Smriti Ltd has three division with each floor of same is The total light points on 20 whereas it is 40 pooccupied by divisions B all three divisions spend time in each of division how to allocate following given below: Particulars Sales Purchases Value of machinery in division Other expenses are: Sales expenses Rs15,000 Electricity charges Rs 40. Insurance premium of offi Insurance premium of machinery in a total characteristic and the departments in a total characteristic and the department i	Division A In RS 30,000 40,000 Rs 10 Lacs	y each divis second and mon manage in Division are required ased on the Division B In Rs 60,000 10,000 Rs 5 Lacs	ion A,B & C. division A is d third floor or looks upon A and 20 % d to calculate information Division C In Rs 60,000 10,000 Nil		CO4	
Q.4A.	the departments in a table statement is not expected: On 1st January, 2003 Kay	format . A Col from students. vita Ltd. purcha	lumnar form ased Machin	at income	(10)	C05	
•	Rs. 2000 on signing the corner and the corner servery year. Depreciation annum on the diminishing Prepare following Ledger	On 1st January, 2003 Kavita Ltd. purchased Machinery on Hire-Purchase System from Jaya Traders for Rs. 26,000. They paid Rs. 2000 on signing the contract and four annual installments of Rs. 6,000 plus interest at 20% per annum each at the end of every year. Depreciation was written off at a rate of 10% per annum on the diminishing balance system. Prepare following Ledger accounts in the books of Kavita Ltd for all 4 years: a) Jaya Traders and b) Machinery account					
Q.4.B.	Explain how initial recogn Plant and Equipment is to	ition and meas be made as per	surement of larger AS 10.	Property,	(5)	C01	
	×	OR					

	are department trading and profice partments, <i>viz.</i> , chairs departments e year ended 31-3-2008.	t and loss account for ent and dolls departme	(15)	CO4
	Particulars			
	Opening stock:	`		
	Chairs			
	Dolls	75,000		
	Raw material consumed:	25,000		
	Dolls plus chair			
		1,80,000		
•	Stores consumed	45,000		
	Wages: Dolls			
	Chairs	15,000		
		30,000		
	Advertisement	7,500		
	Packing expenses (dolls)	3,000		
	Office expenses	24,000		
	Depreciation:	-,,000		
	On factory	16,000		
	On building equipment	8,000		
	Sales:	3,000		
	Chairs	4,50,000		
	Dolls	90,000		
	Closing stock:			
	Chairs	60,000		
	Dolls	30,000		
Given that	at:	20,000		
(a) Dol	l making does not require any e	anima i		
(b) Onl	y 1/8th of the building is occupi	quipment.		

(d) Value of raw material used by dolls dept. is `10,000.

(f) Advertisement expenses be allocated appropriately.

(e) Divide stores consumed on the basis of raw material used.





	October 2023			
<u>Examir</u>	nation: In Semester Examination	on (I	JG Programmes)	
Programme code: 02			- Continues)	
Programme: Bachelor of C Finance	Commerce in Accounting and		Class: FYBAF	Semester: I
Name of the Constituent C	College: S K Somaiya College	Na	ame of the Departn d Finance	nent: Accounting
Course Code:	Name of the Course			2.2
Duration: 1 Hr.	Maximum Marks : 2		arretar riccounting r	
Instructions: 1)Draw neat questions	diagrams 2)Assume suitable d	lata	if necessary 3)atter	npt 2 out of 3

Question No.					Max. Mark
	Answer ANY TWO of th	ne following	questions: (10 mark	s each)	(10)
Q.1. (a)	Shah is a proprietor who r July, 2021 his position wa	naintains boo			
	Liabilities	Rs.	Assets	Rs.	
	Sundry creditors	14,300	Machinery	20,000	
	Capital:		Stock	12,000	
	Shah	35,000	Sundry debtors	11.000	
			Cash at bank	4,000	
			Furniture	2,000	
			Prepaid insurance	300	
		49,300		49,300	* ×
	Sundry debtors Stock		12,000		
	Cash at bank		18,000		
			4,500		
	Prepaid insurance		200		
	Sundry creditors		13,700		
	Expenses owing		600		
	You are required to calcul 2022.	ate the profit	s and losses for the y	rear ended 30 th	June
Q.1. (b)	Prepare manufacturing A/s fellowing balances of Soba	e, Trading A	count and Profit and	less A/c from	n the (10)
	Stocks at 1 January 2023:	LILLIANDED IC	. Co year cheen of L	2023	
	Raw materials	25,	400		
	Work in progress		100		
	Finished goods	23,	200		4, 4,

	Purchases: Raw materials	91,500				
	Carriage on raw materials	1,900				
	Direct labour	84,200				
	Office salaries	33,400				
	Rent	5,200				
	Office lighting and heating	4,400				
	Depreciation:					
	Works machinery	10,200				
	Office equipment	2,300				
	Sales	318,600				
	Factory fuel and power	8,100				
	a)Rent is to be apportioned: Fa	actory 3/4; Office 1	/4.			
	b)Stocks at 31 December 2013	were: Raw materia	als Rs. 28,900; Wo	rk in progress		
	Rs. 24,600; Finished goods Rs	s. 28,840.				
	c) Other details: i)Discount re	eceived Rs. 2,350	ii)Bad debts	Rs. 3,400		
				** TC1 -	(10)	_
).1. (c)	The stock of material held on	1 January 2023 was	s 700 units @ 70 p	er unit. The	(10)	
	following receipts and issues	were recorded. You	are required to pr	epare the		
	Tollowing receipts and issue	Wele recorded a	tarorrogament			
	Stores Ledger Account, show	ing how the value of	of stock would be o	alculated		
	Stores Ledger Account, show	ing how the value of	f stock would be o	ealculated		
	Stores Ledger Account, show both under the FIFO and WA	ing how the value of M method:	f stock would be o	alculated		
	Stores Ledger Account, show both under the FIFO and WA	ing how the value of M method:	f stock would be o	calculated		
	Stores Ledger Account, show both under the FIFO and WA - 03 Jan 2023 Purchase	ing how the value of M method: d 100 units @ Rs. 7	f stock would be o	alculated		
	Stores Ledger Account, show both under the FIFO and WA - 03 Jan 2023 Purchase - 06 Jan 2023 Issued 50	ing how the value of M method: d 100 units (i) Rs. 700 units	of stock would be of 2 per unit	ralculated		
	Stores Ledger Account, show both under the FIFO and WA - 03 Jan 2023 Purchase - 06 Jan 2023 Issued 50 - 07 Jan 2023 Purchase	ing how the value of M method: d 100 units @ Rs. 700 units d 700 units @ Rs. 7	of stock would be of 2 per unit	alculated		
	Stores Ledger Account, show both under the FIFO and WA - 03 Jan 2023 Purchase - 06 Jan 2023 Issued 50 - 07 Jan 2023 Purchase - 13 Jan 2023 Issued 30	ing how the value of M method: d 100 units @ Rs. 700 units d 700 units @ Rs. 700 units	of stock would be of 2 per unit	alculated		
	Stores Ledger Account, show both under the FIFO and WA - 03 Jan 2023 Purchase - 06 Jan 2023 Issued 50 - 07 Jan 2023 Purchase - 13 Jan 2023 Issued 30 - 19 Jan 2023 Purchase	ing how the value of M method: d 100 units @ Rs. 700 units d 700 units @ Rs. 700 units @ Rs. 700 units	of stock would be of 2 per unit	alculated		
	Stores Ledger Account, show both under the FIFO and WA - 03 Jan 2023 Purchase - 06 Jan 2023 Issued 50 - 07 Jan 2023 Purchase - 13 Jan 2023 Issued 30 - 19 Jan 2023 Purchase - 20 Jan 2023 Issued 60	ing how the value of M method: d 100 units @ Rs. 700 units d 700 units @ Rs. 700 units ed 400 units @ Rs. 700 units	of stock would be of 2 per unit 4 per unit 70 per unit	alculated		
	Stores Ledger Account, show both under the FIFO and WA - 03 Jan 2023 Purchase - 06 Jan 2023 Issued 50 - 07 Jan 2023 Purchase - 13 Jan 2023 Issued 30 - 19 Jan 2023 Purchase - 20 Jan 2023 Issued 60 - 21 Jan 2023 Purchase	ing how the value of M method: d 100 units @ Rs. 700 units d 700 units @ Rs. 700 units ed 400 units @ Rs. 700 units ed 400 units @ Rs. 700 units ed 800 units @ Rs. 700 units	of stock would be of 2 per unit 4 per unit 70 per unit	alculated		
	Stores Ledger Account, show both under the FIFO and WA - 03 Jan 2023 Purchase - 06 Jan 2023 Issued 50 - 07 Jan 2023 Purchase - 13 Jan 2023 Issued 30 - 19 Jan 2023 Purchase - 20 Jan 2023 Issued 60	ing how the value of M method: d 100 units @ Rs. 700 units d 700 units @ Rs. 700 units ed 400 units @ Rs. 700 units ed 400 units @ Rs. 700 units ed 800 units @ Rs. 700 units	of stock would be of 2 per unit 4 per unit 70 per unit	alculated		
	Stores Ledger Account, show both under the FIFO and WA - 03 Jan 2023 Purchase - 06 Jan 2023 Issued 50 - 07 Jan 2023 Purchase - 13 Jan 2023 Issued 30 - 19 Jan 2023 Purchase - 20 Jan 2023 Issued 60 - 21 Jan 2023 Purchase - 22 Jan 2023 Issued 70	ing how the value of M method: d 100 units @ Rs. 700 units d 700 units @ Rs. 700 units ed 400 units @ Rs. 700 units ed 400 units @ Rs. 700 units ed 800 units @ Rs. 700 units	of stock would be of 2 per unit 4 per unit 70 per unit	alculated		
	Stores Ledger Account, show both under the FIFO and WA - 03 Jan 2023 Purchase - 06 Jan 2023 Issued 50 - 07 Jan 2023 Purchase - 13 Jan 2023 Issued 30 - 19 Jan 2023 Purchase - 20 Jan 2023 Issued 60 - 21 Jan 2023 Purchase - 22 Jan 2023 Issued 70 - 24 Jan 2023 Issued 70	ing how the value of M method: d 100 units @ Rs. 700 units d 700 units @ Rs. 700 units ed 400 units @ Rs. 700 units ed 800 units @ Rs. 700 units ed 800 units @ Rs. 700 units	of stock would be of 2 per unit 4 per unit 70 per unit 72 per unit	alculated		
	Stores Ledger Account, show both under the FIFO and WA - 03 Jan 2023 Purchase - 06 Jan 2023 Issued 50 - 07 Jan 2023 Purchase - 13 Jan 2023 Issued 30 - 19 Jan 2023 Purchase - 20 Jan 2023 Issued 60 - 21 Jan 2023 Purchase - 22 Jan 2023 Issued 70 - 24 Jan 2023 Issued 10 - 25 Jan 2023 Purchase - 25 Ja	ing how the value of M method: d 100 units @ Rs. 700 units d 700 units @ Rs. 700 units ed 400 units @ Rs. 700 units ed 800 units @ Rs. 700 units ed 800 units @ Rs. 700 units ed 500 units @ Rs. 700 units	of stock would be of 2 per unit 4 per unit 70 per unit 72 per unit	alculated		
	Stores Ledger Account, show both under the FIFO and WA - 03 Jan 2023 Purchase - 06 Jan 2023 Issued 50 - 07 Jan 2023 Purchase - 13 Jan 2023 Issued 30 - 19 Jan 2023 Purchase - 20 Jan 2023 Issued 60 - 21 Jan 2023 Purchase - 22 Jan 2023 Issued 70 - 24 Jan 2023 Issued 70	ing how the value of M method: d 100 units @ Rs. 700 units d 700 units @ Rs. 700 units ed 400 units @ Rs. 700 units ed 800 units @ Rs. 700 units ed 800 units @ Rs. 700 units ed 500 units @ Rs. 700 units	of stock would be of 2 per unit 4 per unit 70 per unit 72 per unit	alculated		



Examination: End Semester	Semester End - O		2023 (HC Broams The Manual Register)
Programme code: 02	Examination Octo		2023 (UG - Programmes)
Programme: Accounting and Finance Name of the Constituent College: S K Somaiya College, Somaiya Vidyavihar University		Class: FY	Semester: I
		Name of the I	Department: Accounting and
Course Code:	Name of the Cou		nting - I
Duration: 2 Hrs.	Maximum Mark		
Instructions:			

Figures to the right indicate full marks for each question.
 Start new question on a new page.

Question No.		Max. Marks	Co Attainment
Q. 1	Answer the following: (5 marks each) A) Classify the following items on the basis of: 1. traceability to product (Direct or Indirect Cost) and 2. on the basis of behavior (fixed or variable or semi variable) (i) Cost of cotton in textile industry. (ii) Direct wages. (iii) Director's fee. (iv) Factory security staff wages (v) Free samples B) The following information in respect of a component is extracted from the books of M/S Tolany brothers, for the year ending 31st March 2023. Maximum usage in a month : 1200 Units Minimum usage in a month : 800 Units Normal usage in a month : 900 Units Time lag in procurement of materials : Maximum 6 months, Minimum 2 months. Reorder Quantity 3000 Units You are required to calculate: 1. Reorder Level 2. Maximum Level C) Differentiate between Financial Accounting and Cost Accounting.	(15)	CO1,CO2 CO3
Q.2. A]	A company manufactures a product XYZ and provides the following information: a) Demand of Product XYZ is 2,000 units per month. b) Raw Material required per unit of finished product - 2 kgs. c) Purchase price of input materials - ₹ 50 per kgs. d) Ordering cost per order - ₹ 90. e) Annual carrying cost - 12%. Calculate Economic Order Quantity and Number of Orders to be placed by using Formula Method	(08)	CO2
Q.2. B]	From the following information you are required to work out the earnings of worker A under: a) Halsey premium scheme (Bonus 50% of savings) b) Rowan premium scheme His normal basic rate of wages was ₹ 80 per day of 8 hours and his dearness allowances was ₹ 240 per week of 48 hours.	(07)	CO2

	Job	Time allowed	Time ta	ken			
	X	26 hours	20 hou	ırs			
	Y	30 hours	20 hou	ırs			
	-	OR					
).2.C]	LG Ltd. manufactures a		'7" and n	rovides	you the	(08)	CO2
	following information:	special product	z and p	novides .	you the	(00)	CO2
	Quarterly Demand		1.5	00 units			
	Ordering cost per order		₹ 70				
	Inspection cost per order		₹20				
	Semi Annual Carrying Co.	st	10%				
	Purchase Price of Input Ur			0 per kg.			
	Raw Material required per		Goods 2 k				
	Calculate:			85.			
	a) Economic Order Quantit	y (By Formula Me	thod).				
	b) Number of Orders to be						
Q.2.D]	Calculate the total earning		ınder Halse	ey Premiu	ım Plan	(07)	CO2
	and Rowan Premium Plan f	rom the following	particulars:				
	Standard Time Allowed	50 Hours					
	Rate of wages	₹10 per hour					
	Actual Time Taken	Worker Amar :	15 Hours				
Q.3.A]	Monarch Ltd. has four produced department S1. The followaccounts in respect of indirect Particular	wing details are e	s, P, Q, R, S xtracted fro ed during M	om the b	ooks of	(08)	CO2
Q.3.A]	department S1. The followaccounts in respect of indirect Particular Electric Power Supervision Insurance on Stock Lighting	luction department wing details are e ect expenses incurres	s, P, Q, R, S extracted from the set during Market 2,00,000 4,00,000 1,60,000 1,80,000	om the beginning	ooks of	(08)	CO2
Q.3.A]	department S1. The followaccounts in respect of indirect Particular Electric Power Supervision Insurance on Stock Lighting Employer's liability of employer's liability of employer.	luction department wing details are e ect expenses incurres	s, P, Q, R, S extracted from the during M ₹ 2,00,000 4,00,000 1,60,000 1,80,000 60,000	om the b	ooks of	(08)	CO2
Q.3.A]	department S1. The followaccounts in respect of indirect Particular Electric Power Supervision Insurance on Stock Lighting	luction department wing details are e ect expenses incurres	s, P, Q, R, S extracted from the set during Market 2,00,000 4,00,000 1,60,000 1,80,000	om the b March, 202	ooks of	(08)	CO2
Q.3.A]	department S1. The followaccounts in respect of indirest Particular Electric Power Supervision Insurance on Stock Lighting Employer's liability of em Repairs & Maintenance	luction department wing details are e ect expenses incurres	s, P, Q, R, S extracted from the during M 2,00,000 4,00,000 1,60,000 1,80,000 60,000 3,50,000	om the beginning	ooks of	(08)	CO2
Q.3.A]	department S1. The followaccounts in respect of indirest Particular Electric Power Supervision Insurance on Stock Lighting Employer's liability of emails & Maintenance Rent	luction department wing details are e ect expenses incurres	s, P, Q, R, S extracted from the during M 2,00,000 4,00,000 1,60,000 1,80,000 60,000 3,50,000 2,50,000 4,20,000	om the b	ooks of 23:	(08)	CO2
Q.3.A]	department S1. The followaccounts in respect of indirest Particular Electric Power Supervision Insurance on Stock Lighting Employer's liability of emails & Maintenance Rent Depreciation	luction department wing details are elect expenses incurred are collected for the co	s, P, Q, R, S extracted from the during M ₹ 2,00,000 4,00,000 1,60,000 1,80,000 60,000 3,50,000 2,50,000 4,20,000 the distribut	om the b	ooks of 23:	(08)	CO2
Q.3.A]	department S1. The followaccounts in respect of indirest Particular Electric Power Supervision Insurance on Stock Lighting Employer's liability of emails & Maintenance Rent Depreciation Following further details a overheads:	luction department wing details are elect expenses incurres	s, P, Q, R, S extracted from the during M ₹ 2,00,000 4,00,000 1,60,000 1,80,000 60,000 3,50,000 2,50,000 4,20,000 ne distribut	om the beginning	ooks of 23:	(08)	CO2
Q.3.A]	department S1. The followaccounts in respect of indirest Particular Electric Power Supervision Insurance on Stock Lighting Employer's liability of emails & Maintenance Rent Depreciation Following further details a overheads: Particulars	luction department wing details are elect expenses incurred are collected for the P Q	s, P, Q, R, S extracted from the during M ₹ 2,00,000 4,00,000 1,60,000 1,80,000 60,000 2,50,000 4,20,000 the distribut	om the beginning	e above	(08)	CO2
Q.3.A]	department S1. The followaccounts in respect of indirest Particular Electric Power Supervision Insurance on Stock Lighting Employer's liability of eman Repairs & Maintenance Rent Depreciation Following further details a overheads: Particulars Direct Materials	ployee's insurance ployee's insurance P Q 70,000 60,000	s, P, Q, R, S extracted from the during M ₹ 2,00,000 4,00,000 1,60,000 1,80,000 60,000 2,50,000 4,20,000 the distribut partments R 50,000	ion of the S	e above S1 0,000	(08)	CO2
Q.3.A]	department S1. The follow accounts in respect of indirest Particular Particular Electric Power Supervision Insurance on Stock Lighting Employer's liability of emails & Maintenance Rent Depreciation Following further details a overheads: Particulars Direct Materials Value of Plant (₹)	luction department wing details are elect expenses incurres apployee's insurance P Q 70,000 60,000 2,00,000 1,80,000	s, P, Q, R, S extracted from the during Market and the during Market 2,00,000 4,00,000 1,60,000 3,50,000 2,50,000 4,20,000 the distribut partments R 50,000 1,60,000 1	ion of the S 40,000 1 6,00,000 6	e above S1 0,000 0,000	(08)	CO2
Q.3.A]	department S1. The follow accounts in respect of indirest Particular Electric Power Supervision Insurance on Stock Lighting Employer's liability of eman Repairs & Maintenance Rent Depreciation Following further details a overheads: Particulars Direct Materials Value of Plant (₹) Light Points (Nos.)	luction department wing details are elect expenses incurres ployee's insurance are collected for the P Q P Q P Q P Q P Q P Q P Q P Q P Q P	s, P, Q, R, S etracted from the during M ₹ 2,00,000 4,00,000 1,60,000 1,80,000 2,50,000 4,20,000 4,20,000 the distribut partments R 50,000 1,60,000	ion of the S 40,000 1 1,00,000 6 30	e above S1 0,000 0,000 25	(08)	CO2
Q.3.A]	department S1. The followaccounts in respect of indirest Particular Electric Power Supervision Insurance on Stock Lighting Employer's liability of eman Repairs & Maintenance Rent Depreciation Following further details a overheads: Particulars Direct Materials Value of Plant (₹) Light Points (Nos.) Floor space (Sq. Meters)	ployee's insurance P Q 70,000 60,000 2,00,000 1,80,000 50 40 1,400 1,200	s, P, Q, R, S ed during M ₹ 2,00,000 4,00,000 1,60,000 1,80,000 2,50,000 4,20,000 4,20,000 the distribut partments R 50,000 1,60,000 1 35 1,100	ion of the S 40,000 1 1,00,000 6 30 900	e above S1 0,000 0,000 25 400	(08)	CO2
Q.3.A]	department S1. The follow accounts in respect of indirest Particular Electric Power Supervision Insurance on Stock Lighting Employer's liability of eman Repairs & Maintenance Rent Depreciation Following further details a overheads: Particulars Direct Materials Value of Plant (₹) Light Points (Nos.) Floor space (Sq. Meters) Total Wages (₹)	luction department wing details are elect expenses incurred are collected for the P Q 70,000 60,000 2,00,000 1,80,000 50 40 1,400 1,200 1,00,000 80,000	s, P, Q, R, S extracted fro ed during M 2,00,000 4,00,000 1,60,000 3,50,000 4,20,000 4,20,000 4,20,000 1,60,000 1,60,000 1,100 1,60,000 1,60,000 1,60,000 1,60,000 1,60,000 1,000 1,000 1,000 1,000 1,000	sion of the S 40,000 for 50,000 2	e above S1 0,000 0,000 25 400	(08)	CO2
Q.3.A]	department S1. The followaccounts in respect of indirest Particular Electric Power Supervision Insurance on Stock Lighting Employer's liability of eman Repairs & Maintenance Rent Depreciation Following further details a overheads: Particulars Direct Materials Value of Plant (₹) Light Points (Nos.) Floor space (Sq. Meters) Total Wages (₹) Value of Stock (₹)	De P Q 70,000 60,000 2,00,000 1,80,000 1,50,000 1,00,000 1,50,000 1,50,000 1,50,000 1,00,000	s, P, Q, R, S ed during N 2,00,000 4,00,000 1,60,000 3,50,000 2,50,000 4,20,000 1,60,000 1,60,000 1,60,000 1,60,000 1,60,000 1,60,000 1,60,000 1,000	sion of the beginning of the second of the s	e above S1 0,000 0,000 25 400 0,000	(08)	CO2
Q.3.A]	department S1. The follow accounts in respect of indirest Particular Electric Power Supervision Insurance on Stock Lighting Employer's liability of eman Repairs & Maintenance Rent Depreciation Following further details a overheads: Particulars Direct Materials Value of Plant (₹) Light Points (Nos.) Floor space (Sq. Meters) Total Wages (₹)	luction department wing details are elect expenses incurred are collected for the P Q 70,000 60,000 2,00,000 1,80,000 50 40 1,400 1,200 1,00,000 80,000	s, P, Q, R, S extracted fro ed during M 2,00,000 4,00,000 1,60,000 3,50,000 4,20,000 4,20,000 1,60,000 1,60,000 1,60,000 1,60,000 1,100 50,000 100	sion of the S 40,000 for 50,000 2	e above S1 0,000 0,000 25 400	(08)	CO2

.3.B]	From the following particu	lars, compu	te Machine Hour Rate	e:	(07)	CO
	Cost of Machine		₹2,50,000		()	
	Depreciation		15% p.a. on original	cost	/	school of Commerce of
	Power consumption 2 unit	ts per hour	@ ₹ 0.75 per unit		Santal Kan	
	Insurance		₹10,000 p.a.		Sharikin	Library
	Repairs		₹5,000 p.m.		1	
	Consumable stores		₹2,500 p.m.		18	Wind tediverbing
	Rent					
	Supervisor's Salary		₹3,00,000 p.a.			
	Estimated working hours		₹1,30,000 p.a.			
	Non-productive setting up		2,400 p.a.			
	the machine	time of	20% of estimated wo	orking hours		
		C.1				
	The machine occupies ¹ / ₄ th of his time for the	of the total a	area. The supervisor is	s expected to		
	devote ¹ / ₅ th of his time for the	ne machine.				
Q.3.C]	The Table Book	OR				
Q.5.C]	The Trading, Profit, and L	oss Accour	nt of XYZ Manufactu	ring company	(15)	CO
	and Joan chang 31st Dec	ember 202.	2 was as follows:	8 company	(13)	CO
	Trading	g, Profit and	Loss Account			
	for the year	ended 31s	st December, 2022			
	DI			Cr		
	Particulars	₹	Particulars	₹		
	To Raw Material Purchased	2,40,0		nits) 7.50.000		
	To Direct Wages	90,0	00 By Closing Stock	of 15,000		
	To Direct Expenses	75,00	00 Raw Material	13,000		
	To Factory Expenses	1,20,00				
	To Gross Profit c/d	2,40,00	00			,
	To	tal 7,65,00	00 T	otal 7,65,000		
	To Office Salaries	75,00		d 2,40,000		
	To Office Rent	36,00	0	, ,		
	To Selling Expenses	37.50	J			
	To Preliminary Expenses W/On	ff. 7,50	J = 150 Gaint 100011	ved 22,500		
	To Goodwill W/Off.	16,50				
	To Net Profit c/d	1,20,00				
	To			tal 2.02.500		
	For the year 2023 it is estimated	ted that:	10	otal 2,92,500		
	1) Units produced and sold v	vill rise by	20%			
	2) Price of Raw Material per	unit will ris	se by 100%			
	3) Direct wages per unit will	increase by	25%			
	4) Direct expenses per unit w	ill remain t	he same			
	3) Factory expenses per unit	will increas	e by 25%			
	o) The office premises which	were on re-	ntal hasis in 2022 way	ıld by		
	purchased by company on	which denr	eciation would by ₹	ind by		
	2023.			,,000 111		
	7) Selling expenses per unit v	vill remain	the same			
	You are required to prepare a	statement	showing estimated as	et and nucet		
	for the year ended 31st D	ecember 20	23. considering that t	the company		
	will charge a profit at 16 ² /	3% on sales	S	ine company		
(2.4. A)	GST Ltd. has furnished the fo	llowing info	ormation from the fine	ancial books	(15)	CC:
	for the year ended 31st March	, 2023:	The state of the s	ancial books	(15)	CO4
	Trading,		Loss Account			
	Particulars Particulars	₹	Particulars	₹		
	To Opening Stock	10,000Bv	Sales (1900 units)	2,39,400		
	(Finished Goods 100 units)		(1700 dilits)	2,39,400		
	To Raw Material	83.200By	Closing Stock	20,000		
1						

*

	To Direct Wages	60,600 By Commission receive	ed 1,400		
	To Factory Expenses	40,720By Bad Debts recovered	d 1,100		
	To Office and Administration	33,800By Net Loss	1,440		
	Expenses	3 1.00 2000	1,440	8	
	To Selling and Distribution	28,000			
	Expenses				
	To Goodwill W/Off	2,400			
	To Loss on sale of Investment	4,000			
			otal 2,62,720		
		revealed from the cost records	for the year		
	ended 31 st March, 2023:				
	1) Raw Material consumption				
	2) Direct Wages are 70% of D				
	3) Factory overheads are recov	vered @ 50% of Direct Materials			
	4) Administrative overheads as	re taken @ 20% of works cost	· .		
	5) Selling and Distribution over	erheads are recovered @ ₹ 15 pe	runit		
	6) Opening stock of finished a	oods is valued at ₹ 101.80 per u	nit		
	7) Closing stock of finished go	oods is to be valued at cost of proposed in the proposed at cost of proposed in the proposed i	aduction		
	8) Selling Price is recorded at	F 125 per unit	oduction.		
	Prepare:				
	1. Detailed cost statement show				
	find out the total profit and				
	2. Statement of Reconciliation				
	2. Statement of Reconcination				
).4.B]	Solar manufacturing company	OR submits the following information	ation on 31st	(15)	CO3
(,,,,,,)	March, 2023.	suching the following informs	ation on 51	(13)	003
	1144011, 2023.		₹		
	Sales for the year		5,50,000		
		nning of the year were:-	3,30,000		
	Finished Goods	illing of the year were	14,000		
			8,000		
	Work in progress	rial for the year			
	Purchases of raw mate Raw material at the be		2,20,000		
			6,000		
	Raw material at the en	u of the year	8,000		
	Direct labour	600/ of diment labour	1,90,000		
110	Factory overhead was				
	Inventories at the end	12,000			
	Work in progres				
	Finished goods		16,000		
	Other expenses:-		00/ 6 1		
	Selling expenses		0% of sales 8% of sales		
	Administration 6				
	You are required to prepared				
	2023.				*



October 2023

Library

Examination: In Semester Examination (UG Programmes)

Programme code:

Programme: BAF Class: FY Semester: I Name of the Constituent College: S K Somaiya College

Name of the Department: Accounting

and Finance Course Code:

Name of the Course: Cost Accounting Duration: 1 Hr. Maximum Marks: 20

Instructions: 1) Figures to the right indicate the full marks.

2) use of simple calculator is allowed

Question No.										
0.1	Attempt any tv	vo out of three questions:		Mark						
Q. 1	The Accounts of Jindal Manufacturing Co. for the year ended 31st December 2012 show below. Propers agent Show to Show below.									
	2012 show below. Frepare cost Sheet for the following:									
		Particulars	Rs							
		Works Office salaries	6,500							
	, A	Administration Office Sularies	12,600							
		Cash Discount allowed	2,900							
		Carriage outward	4,300							
		Carriage Inward	7,150							
	E	ad debts are written off	6,500							
	R	lepairs to plant and machinery	4,450							
	R	ent, rates, Insurance, etc. factory	8,500							
	R	ent, rates, Insurance, etc. Office	2,000							
	S	ales	4,61,100							
	S	tock of Raw Materials-	7,01,100							
		1 st January, 2012	48,000							
		31st December, 2012	62,800							
	N	laterial Purchased	1							
		raveling Expenses	1,85,000							
	P	roductive wages	2,100							
	T	ravellers' salaries and commission	1,26,000							
	D	epreciation on Plant and Machinery	7,700							
	D	epreciation on Office furniture	6,500							
	D	irectors' fees	300							
		as and Water (factory)	6,000							
		as and Water (Office)	1,200							
			400							
	G	anager's salary (¼ the office, ¾ factory) eneral Expenses	10,000							
		Eneral Expenses	3,400							
. 2	From the follow	ing particulars you are required to work	out the earnings of	(10)						
	a worker fora w	eek under	and the dearlings of	(10)						
	(a) Straight piece									
	(b) Differential 1	piece rate,								
	(c) Halsey prem	ium scheme (50% sharing),								
	d) Rowan prem	ium scheme.								



Semester End - November 2023

Library Examination: End Semester Examination October/November 2023 (UG - Programmes) Programme code: 02 Class: FY Semester: I Programme: Accounting and Finance Name of the Constituent College: Name of the Department: Accounting S K Somaiya College, Somaiya Vidyavihar University and Finance Course Code: Name of the Course: Cost Accounting - I Duration: 2 Hrs. Maximum Marks: 60

Instructions:

1) Figures to the right indicate full marks for each question.

2) Start new question on a new page.

Question No.		Max. Marks	Co Attainment
Q. 1	Attempt the following: (5 Marks each) A) Classify the following items on the basis of:- 1. Functions (office or factory or selling & distribution) and 2. Traceability (direct or indirect cost) a) Purchase of Raw material ₹ 60,000 b) Audit Fees ₹ 12,000 c) Depreciation of Delivery Van ₹ 4,000 d) Salesmen's Commission ₹ 8500 e) Heating, lighting & Power ₹ 12,000 B) On the basis of the following information, Calculate the earnings of and Aman on the straight Piece Rate Basis and Taylor's Differential Piece Rate System. Standard Production: 50 units per hour Normal Time Rate : ₹ 16 per hour Differential to be applied : 80% of Piece Rate below standard 120% of Piece Rate at or above standard In a 9 hour day, Suman produces 420 units and Aman produces 500 units. C) Discuss the advantages of cost accounting: i) to the consumer and ii) to the management.	(15)	CO1,CO2 &CO3
Q.2. A]	The following information is available: Normal Consumption : 300 units per day Maximum Consumption : 420 units per day Minimum Consumption : 240 units per day Re-order Quantity : 3600 units per day Re-order period : 10 to 15 days Normal Re-order period : 12 days Calculate: - a) Maximum Stock Level b) Minimum Stock Level c) Recording Level d) Average Stock Level	(08)	CO2
	Find out EOQ from the following information:- Annual Consumption 15,000 k.g.	(07)	CO2

	Cost of Placing an order ₹ 48		4
	Cost of Raw Material ₹ 2 per kg.		
1	Storage Cost 8% of average Inventory		
	You are required to ascertained Economic Order Quantity		
	OR	(00)	002
Q.2.C]	From the following particulars calculate the total earning of the three	(08)	CO2
	workers under Merrick Differential piece rate system.		
	Normal rate per hour ₹ 10 per unit		
4.50	Standard production per hour 20 units		
	In an 8 hours a day:		
	A produced 140 units		
	B produced 180 Units		
	C produced 130 Units	4	
	D produced 220 Units In the engineering concern, the standard time allowed to manufacture an	(07)	CO2
Q.2.D]	article is fixed at 10 hours and the wage rate is ₹ 20 per hour. An operator		
	completes 10 articles in 80 hours.		
	Calculate his total wages under:		
	1) Halsey Premium Plan		
	2) Davian Pramium Plan		
	Also calculate cost if material cost of the article is ₹ 240 and the factory		
	overheads are 400% of direct wages.		
		(08)	CO2
Q.3.A]	Amit Company has five department P, N, R, S & T. The actual cost for	(00)	002
, ,	the period are as follow:		
	Particulars 70,000		
	Repairs 70,000 62,500		
	Rent		
	Depreciation 42,000		
	Supervision 48 000		
	Insurance 48,000 Employers Liability of Employees Insurance 30,000		
	Employers Liability of Employees many 90,000		
	Light The following data are also available regarding the five department:	and the second	
	Particulars P N R S T		
	Area (Square foot) 140 120 110 90 40		
	Number of workers 15 25 15 10 5		
	Total wages (₹) 10.000 8,000 5,000 5,000 2,000		
	Value of Plant (₹) 20.000 18,000 16,000 10,000 6,000		
	$V_{\text{three}} = f \text{Stock}(\mathcal{F}) = 15,000 = 10,000 = 5,000 = 2,000 = -2$		
	Chairmany Distribution of Overnead.	ne (07)	CC
Q.3.B	1 11 and duction dent and IW() Scivice dept. did	10 (07)	
Q.5.D	Company has three production dept. and the seriod the departmental distribution summary shows the following figure		
	of overheads.		
	Froduction depth P S1 S2		
	P Q R 51		
	₹ 1,600 ₹ 1,400 ₹ 1,000 ₹ 468 ₹ 600 The expenses of service dept. are charged on a percentage basis	as	
	follows. Particulars P Q R S1 S2		
	Particulars 10 10		
	Service dept. X		
	Service dept. 1	pt.	
	expenses to production dept. by Repeated distribution method.		
	OR		

40	related Trading A/c and Pro	fit and Lo	ss A/c to Ma	tch the Pro	fit with th	at	
	or cost blicet.						
1	Particulars		₹				State of Commerce & All
7	Purchase of Raw Material	神经数	3,000			/	3
	Less: closing Stock of Raw	Material	500			(8	Library
	Raw Material Consumed		2,500			1	
	Add: Direct Wages		1,000				system stringer
	Prime Cost		3,500				
	Add: Work overheads		3,000				
	Work Cost		6,500				
	Add: Administration Overhe	eads	1,500				
	Cost of Production	× 1	8,000				
	Add: Selling and Distributio	n Overhe	ad 2,200				
	Cost of Sales		10,200				
	Add: Profit		9,800				
	Sales		20,000				
	Dr	& Profit	and Loss A/c				
	Particulars	₹	Partic	ulore	Cr		
	To Purchases	3,000	By Sales	uiais	₹	-	
	To Wages	1,000		gole - C	20,000		
	To Indirect wages	500	Assets	sale of			
	To factory expenses	2,000		0, 1, 0	1,000		
	To Administrative expenses	1,000	By Closing	Stock of			
	To Sales Expenses	2,000	Raw Mat	erial	500		
	To Distribution Expenses	1,000	,				
	To Interest	50					
	To Bad Debts	100					
	To Net Profit	10,850					
		21,500					
					21,500		
.4.A]	From the following particulars prepare a Cost Statement for the	of Cosm	netic Product				
	prepare a Cost Statement for th	e month of	of August 202	you are re	equired to	(08)	CO3
	Dout	ulara	n August 202		-		
	Partic				₹		
	Raw Materials: -	ulais			`		
	Raw Materials: -	ulais					
	Raw Materials:Opening Stock -Closing Stock	ulais		4	0,000		
	Raw Materials:Opening Stock -Closing Stock Purchases	ulais		4 2	0,000		
	Raw Materials:Opening Stock -Closing Stock Purchases Direct Labours	uidis		4 2 3,0	0,000 0,000 0,000		
	Raw Materials:Opening Stock -Closing Stock Purchases Direct Labours Factory Overhead			4 2 3,0 1,6	0,000 0,000 0,000 0,000		
	Raw Materials: -			4 2 3,0 1,6 4	0,000 0,000 0,000 0,000 0,000 5,000		
	Raw Materials: -	verhead		4 2 3,0 1,6 4	0,000 0,000 0,000 0,000		
	Raw Materials: -	verhead	1.20 per unit	4 2 3,0 1,6 4 5	0,000 0,000 0,000 0,000 0,000 5,000		
	Raw Materials: -	verhead	1.20 per unit.	4 2 3,0 1,6 4 5	0,000 0,000 0,000 0,000 0,000 5,000		
	Raw Materials: -	verhead nits @ ₹1 its at curr	1.20 per unit. ent cost price	4 2 3,0 1,6 4 5	0,000 0,000 0,000 0,000 5,000 8,000		
	Raw Materials: -	verhead nits @ ₹1 its at curr	1.20 per unit. ent cost price	3,0 1,6 4 5	0,000 0,000 0,000 0,000 5,000 8,000		
D	Raw Materials: -	verhead nits @ ₹1 its at curr	ent cost price	4 2 3,0 1,6 4 5	0,000 0,000 0,000 0,000 5,000 8,000		
I.B]	Raw Materials: -	verhead nits @ ₹1 its at curr	ent cost price	4 2 3,0 1,6 4 5	0,000 0,000 0,000 0,000 5,000 8,000	(07)	CO4
4.B]	Raw Materials: -	verhead nits @ ₹1 its at curr	ent cost price	4 2 3,0 1,6 4 5	0,000 0,000 0,000 0,000 5,000 8,000	(07)	CO4
4.B]	Raw Materials: -	verhead nits @ ₹1 its at curr enses prepare a	(50,000 units	4 2 3,0 1,6 4 5 4 5 S)	0,000 0,000 0,000 0,000 5,000 8,000 20% 0,000	(07)	CO4
4.B]	Raw Materials: -	verhead nits @ ₹1 its at currenses prepare a	(50,000 units) Reconciliati	4 2 3,0 1,6 4 5 4 5 S)	0,000 0,000 0,000 0,000 5,000 8,000 20% 0,000 ent and	(07)	CO4
4.B]	Raw Materials: -	verhead its @ ₹1 its at curr enses orepare a ks overed in	(50,000 units) Reconciliati	4 2 3,0 1,6 4 5 4 5 S)	0,000 0,000 0,000 0,000 5,000 8,000 20% 0,000 ent and ₹ 66,760 5,700	(07)	CO4
4.B]	Raw Materials: -	verhead nits @ ₹1 its at curr enses prepare a overed in covered in acial book	(50,000 units) Reconciliati	4 2 3,0 1,6 4 5 4 5 S)	0,000 0,000 0,000 0,000 5,000 8,000 20% 0,000 ent and	(07)	CO4

1	Interest received but not included in	the costing	450	7	7
1	Income tax provided in financials bo	oks	600		
1	Bank Interest credited in financial bo	ooks	230		
	OR				
).4.C]	From the following Prepare a Cost Shee	(15)	CO ₃		
ر.۲.۰]	Particulars	₹			
	Opening Stock of Raw Material	1,20,000			
	Opening Stock of Work in Progress	45,600			
	Opening Stock of Finished goods	86,400			
	Wages Direct	83,200			
	Wages Indirect	4,400			
	Purchase of raw material	1,05,600			
	Sales	3,37,500			
	Factory Rent and Power	24,000			
	Depreciation on Plant and Machinery	5,600			
	Carriage Inward	2,400			
	Factory Expenses	16,000			
	Office Rent and Rates	4,000			
	Office Expenses	10,400			
	Carriage outward	4,000			
	Commission & Advertising	16,000			
	Closing Stock of Raw Material	1,46,400			
	Closing Stock of Work in Progress	56,000			
	Closing Stock of Finished Goods	49,600			



Semester (July 2023 to October 2023)

Examination: End Semester Examination November 2023 (UG Programmes)

Programme code: 02

Programme: Bachelor of Commerce in Accounting and

Finance

Class: FY

Semester: I

Library

Name of the Constituent College: S K Somaiya College

Name of the Department : Accounting

& Finance

Course Code:

Name of the Course: Statistical Techniques & Logical Reasoning

Duration: 2 Hrs.

Maximum Marks: 60

Instructions: 1)Draw neat diagrams

2) Assume suitable data if necessary

3)Non-programmable calculators are allowed

Question No.									Max. Marks	Co Attainment
Q1.	A. After what period of investment under simple interest would a principal of Rs. 25,200 amount to Rs. 32,697 at 8.5% rate of interest?									C01
	th	t a straight e annual do	5	C02						
		Years	2001	2002	2003	2004	2005			
		Demand	36	49	54	56	62			
	C. Fr	b. If one selecte	cards one of card i	are dra the cards s drawn	s is a face , what is under the	e card? s the pro	obability		5	C03

Q2.	 A. Farhan's father education at the should he invitated interest of 60 B. A person depth 	the end ovest periom p.a. con osits Rs.	of 5 years odically ev mpounde 5000 in a	s from novery moned month	w. How inth at the ally yearly or 4 year	much e rate of g? rs. What	f t is	7	C01
	the rate of in	terest if t		ounded a	mount	s Rs. 65	554?		
			OR						
	C. For the follow	T			20.40	40-50	7	15	C02
	Class Interval	0-10	10-20	20-30	30-40				
	frequency	12	23	21	19	15			
			, mode and percentile	d median. e.					
Q3.	A. A random va				obability	/ distrib	ution:	15	C03
	x 0	1	2 3	3 4	5				
	P(x) 2k		2k k ² +	+2k 4k ²	$5k^2 +$	- 2k			
	a. Find k.b. Compute mean and variancec. Evaluate P(X < 2).								
			(OR					
	B. When a coin a. Wha b. Wha head	at is the proof it is the pro	obability	es. of obtaini of obtaini	ng less th	nan thre	e heads	5	C03
	C. The time by distribution deviation 2	which lowith aver	rage time What is th	10 minute he probabi	es and sta ility that:	indard	al	10	C03
	 a. a train gets delayed for more than 15 minutes. b. a train gets delayed for less than 7 minutes. c. a train gets delayed between 5 minutes to 12 minutes. Also, find the delay time above which only 25% of local trains are there. 								
Q4.	A. If A + B means A is the mother of B, A - B means A is the sister of B, A * B means A is the father of B and A # B means A is the brother of B. Identify the blood relation between N and M? a. N # P - L + E - M b. N - Y + A # M c. M - Y * P - N d. N # C + F * M e. N is grandfather of M							10	C04

•	B. Identify the correct paper when it is unfolded for the following - a.	5	Library
	b. •	A. S. Land	SATTORY OF GRANDOZ
	OR	10	C04
	C. Find the missing number in below given number series - a. 6, 13, 20, 27, 34, ?, ?		
	b. 2, 5, 11, 23, 47, ?, ? c. 3, 7, 15, 31, 63, ?, ? d. 3, 32, 7, 28, 11, 24, 15, 20, ?, ? e. 3, 4, 4, 6, 12, 15, 45, ?, 196		
	D. Read the following information carefully and find the seating arrangement. Six friends A, B, C, D, E and F are sitting on a bench, facing	5	C04
	towards the North. 1. A is sitting next to B. 2. C is sitting left to D. 3. D is not sitting with E.		
	 4. E is on the left end of the bench. 5. C is third position from right. 6. A is on the right side of B and to the right side of E. 		
	7. A and C are sitting together.8. F is sitting Right of D.		

Z	.00	MAL DIST	.02	.03	.04	.05	.06	.07	.08	.09
0.0	.50000	.50399	.50798	.51197	.51595	.51994	.52392	.52790	.53188	.53586
0.1	.53983	.54380	.54776	.55172	.55567	.55962	.56356	.56749	.57142	.57535
0.2	.57926	.58317	58706	.59095	.59483	.59871	.60257	.60642	.61026	.61409
0.3	.61791	.62172	.62552	.62930	.63307	.63683	.64058	.64431	.64803	.65173
0.4	.65542	.65910	.66276	.66640	.67003	.67364	.67724	.68082	.68439	.68793
0.5	.69146	.69497	.69847	.70194	.70540	.70884	.71226	.71566	.71904	.72240
0.6	.72575	.72907	.73237	.73565	.73891	.74215	.74537	.74857	.75175	.75490
0.7	.75804	.76115	.76424	.76730	.77035	.77337	.77637	.77935	.78230	.78524
0.8	.78814	.79103	.79389	.79673	.79955	.80234	.80511	.80785	.81057	.81327
0.9	.81594	.81859	.82121	.82381	.82639	.82894	.83147	.83398	.83646	.83891
1.0	.84134	.84375	.84614	.84849	.85083	.85314	.85543	.85769	.85993	.86214
1.1	.86433	.86650	.86864	.87076	.87286	.87493	.87698	.87900	.88100	.88298
1.2	.88493	.88686	.88877	.89065	.89251	.89435	.89617	.89796	.89973	.90147
1.3	.90320	.90490	.90658	.90824	.90988	.91149	.91309	.91466	.91621	.91774
1.4	.91924	.92073	.92220	.92364	.92507	.92647	.92785	.92922	.93056	.93189
1.5	.93319	.93448	.93574	.93699	.93822	.93943	.94062	.94179	.94295	.94408
1.6	.94520	.94630	.94738	.94845	.94950	.95053	.95154	.95254	.95352	.95449
1.7	.95543	.95637	.95728	.95818	.95907	.95994	.96080	.96164	.96246	.9632
1.8	.96407	.96485	.96562	.96638	.96712	.96784	.96856	.96926	.96995	.97062
1.9	.97128	.97193	.97257	.97320	.97381	.97441	.97500	.97558	.97615	.97670
2.0	.97725	.97778	.97831	.97882	.97932	.97982	.98030	.98077	.98124	.98169
2.1	.98214	.98257	.98300	.98341	.98382	.98422	.98461	.98500	.98537	.98574
2.2	.98610	.98645	.98679	.98713	.98745	.98778	.98809	.98840	.98870	.98899
2.3	.98928	.98956	.98983	.99010	.99036	.99061	.99086	.99111	.99134	.99158
2.4	.99180	.99202	.99224	.99245	.99266	.99286	.99305	.99324	.99343	.99361
2.5	.99379	.99396	.99413	.99430	.99446	.99461	.99477	.99492	.99506	.99520
2.6	.99534	.99547	.99560	.99573	.99585	.99598	.99609	.99621	.99632	.99643
2.7	.99653	.99664	.99674	.99683	.99693	.99702	.99711	.99720	.99728	.99736
2.8	.99744	.99752	.99760	.99767	.99774	.99781	.99788	.99795	.99801	.99807
2.9	.99813	.99819	.99825	.99831	.99836	.99841	.99846	.99851	.99856	.9986
3.0	.99865	.99869	.99874	.99878	.99882	.99886	.99889	.99893	.99896	.99900
3.1	.99903	.99906	.99910	.99913	.99916	.99918	.99921	.99924	.99926	.99929
3.2	.99931	.99934	.99936	.99938	.99940	.99942	.99944	.99946	.99948	.99950
3.3	.99952	.99953	.99955	.99957	.99958	.99960	.99961	.99962	.99964	.99965
3.4	.99966	.99968	.99969	.99970	.99971	.99972	.99973	.99974	.99975	.99976
3.5	.99977	.99978	.99978	.99979	.99980	.99981	.99981	.99982	.99983	.99983
3.6	.99984	.99985	.99985	.99986	.99986	.99987	.99987	.99988	.99988	.99989
3.7	.99989	.99990	.99990	.99990	.99991	.99991	.99992	.99992	.99992	.99992
3.8	.99993	.99993	.99993	.99994	.99994	.99994	.99994	.99995	.99995	.99995
3 0	00005	00005	00006	00006	00000					

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,Examination: Er	Semester (July 2023 to O ad Semester Examination No	october 2023) ovember 2023 ((UG Programmes)				
Programme code: 02 Programme: Bachelor of C		Class: FY	Semester: I				
Name of the Constituent C	ollege: S K Somaiya College	e Name of the Department : Accour & Finance					
Course Code:	Name of the Course Reasoning	Name of the Course: Statistical Techniques & Logical Reasoning					
Duration: 2 Hrs.	Maximum Marks:	Maximum Marks : 60					
Instructions: 1)Draw near	diagrams						

1)Draw neat diagrams2)Assume suitable data if necessary3)Non-programmable calculators are allowed

Question No.		Max. Marks	Co Attainment
Q1.	A. Compute the compound amount and interest on a principal of Rs. 6000 at 7.5% p.a. after 7 years.	5	C01
	 B. The analysis of past 3 year data revealed that the average price of stock A is 56, while the average price of stock B is 127. Additionally, the variance of stock A was determined to be 16, whereas the variance of stock B was found to be 64. Determine which stock shows greater consistency. 	5	C02
0	C. If a coin is tossed three times, event A represents obtaining heads on the first flip, while event B represents obtaining tails on the third flip. Determine whether events A and B are independent.	5	C03
Q2.	A. Find the principal and rate of interest if a certain principal amounts to Rs. 10700 in 1 year and to Rs. 11449 in 2 years under compound interest.	8	C01
	B. Pushpa wants to accumulate Rs. 10 lakh for buying the van at the end of 5 years from now. How much should he invest every year at the rate of interest of 15% p.a. compounded half yearly?	7	C01
	OR		

	C. For the following data given below:								15	C02
		Class Interval	0-10	10-20	20-30	30-40	40-50			
		Cumulative frequency	12	23	32	40	50			
			e mean, te third d		l median.					
Q3.	· A	a. Three students black pens, and students is sele a. Find th first stu b. If the p from the	l 5 red po cted at ra e probab dent. en taken	ens, 5 bla andom an bility of b is red, fir	ck pens r d a pen is black pen	espective taken fr being ta	ely. One of om them. aken from	of the	7	C03
	from the first student. B. If COVID is detected in 80% of cases, and 5 people are selected at random. a. Construct the appropriate random variable 'X' which follows Binomial distribution with success & failure probability. b. What is the probability of getting at least 3 persons with COVID? c. What is the probability of getting exactly 2 COVID persons?									C03
				O	R					
	C. If a dice is rolled twice with A being an event of getting odd number in the first throw and B being an event of getting multiple of 3 in the second throw. Check whether A and B are independent events?									C03
	. 1	D. The life span of life of 10 years probability of: a. getting b. getting c. getting Also, find the	a fan wo a fan wo a fan wo a fan wo	ndard devorking for orking for orking be	r more that less than tween 5 y	4 years. nn 15 yea n 7 years. years to 1	What is the stars. 2 years.	he	10	C03
Q4.		A. If M # N mear son of N, M (a) M is the father? a. C % B b. E # F S	N mean of N. Id	ns M is the lentify the	e sister o	f N and N	M \$ N me	ans	10	C04

B. Sara started walking from a point, facing in the North direction. After walking 20 meters, she turned to her right and walked 30 meters, before turning to her left. Then, she walked a distance of 40 meters, turned to her left and stopped after walking further a distance of 15 meters. Find how far Sara is from her starting point.	5	C04 Cibrary Library Library Library Library Library Library
OR		
C. Find the missing number in below given number series - a. 6, 12, 24, 48, ?, ?	10	C04
b. 2, 7, 17, 37, 77, ?, ?		
c. 3, 10, 21, 36, 55, ?, ?		
d. 16, 21, 39, 64, 96, ?, ?		
e. 5, 16, 45, 104, 209, ?		
D. Five friends P, Q, R, S, and T are sitting in a row facing east.		
1. P is sitting next to Q.	5	C04
2. R is sitting left to S.		
3. S is not sitting with T.		
4. T is on the right end of the row.		
5. R is at the third position from the left.		
6. P is on the right side of Q and to the right side of T.		
7. P and R are sitting together.		
8. T is sitting to the right of S.		
Find all possible seating arrangements using the above		
information.		

Z	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
0.0	.50000	.50399	.50798	.51197	.51595	.51994	.52392	.52790	.53188	.53586
0.1	.53983	.54380	.54776	.55172	.55567	.55962	.56356	.56749	.57142	.57535
0.2	.57926	.58317	.58706	.59095	.59483	.59871	.60257	.60642	.61026	.61409
0.3	.61791	.62172	.62552	.62930	.63307	.63683	.64058	.64431	.64803	.65173
0.4	.65542	.65910	.66276	.66640	.67003	.67364	.67724	.68082	.68439	.6879
0.5	.69146	.69497	.69847	.70194	.70540	.70884	.71226	.71566	.71904	.7224
0.6	.72575	.72907	.73237	.73565	.73891	.74215	.74537	.74857	.75175	.7549
0.7	.75804	.76115	.76424	.76730	.77035	.77337	.77637	.77935	.78230	.7852
0.8	.78814	.79103	.79389	.79673	.79955	.80234	.80511	.80785	.81057	.8132
0.9	.81594	.81859	.82121	.82381	.82639	.82894	.83147	.83398	.83646	.8389
1.0	.84134	.84375	.84614	.84849	.85083	.85314	.85543	.85769	.85993	.8621
1.1	.86433	.86650	.86864	.87076	.87286	.87493	.87698	.87900	.88100	.8829
1.2	.88493	.88686	.88877	.89065	.89251	.89435	.89617	.89796	.89973	.9014
1.3	.90320	.90490	.90658	.90824	.90988	.91149	.91309	.91466	.91621	.9177
1.4	.91924	.92073	.92220	.92364	.92507	.92647	.92785	.92922	.93056	.9318
1.5	.93319	.93448	.93574	.93699	.93822	.93943	.94062	.94179	.94295	.9440
1.6	.94520	.94630	.94738	.94845	.94950	.95053	.95154	.95254	.95352	.9544
1.7	.95543	.95637	.95728	.95818	.95907	.95994	.96080	.96164	.96246	.9632
1.8	.96407	.96485	.96562	.96638	.96712	.96784	.96856	.96926	.96995	.9706
1.9	.97128	.97193	.97257	.97320	.97381	.97441	.97500	.97558	.97615	.9767
2.0	.97725	.97778	.97831	.97882	.97932	.97982	.98030	.98077	.98124	.9816
2.1	.98214	.98257	.98300	.98341	.98382	.98422	.98461	.98500	.98537	.9857
2.2	.98610	.98645	.98679	.98713	.98745	.98778	.98809	.98840	.98870	.9889
2.3	.98928	.98956	.98983	.99010	.99036	.99061	.99086	.99111	.99134	.9915
2.4	.99180	.99202	.99224	.99245	.99266	.99286	.99305	.99324	.99343	.9936
2.5	.99379	.99396	.99413	.99430	.99446	.99461	.99477	.99492	.99506	.9952
2.6	.99534	.99547	.99560	.99573	.99585	.99598	.99609	.99621	.99632	.9964
2.7	.99653	.99664	.99674	.99683	.99693	.99702	.99711	.99720	.99728	.9973
2.8	.99744	.99752	.99760	.99767	.99774	.99781	.99788	.99795	.99801	.9980
2.9	.99813	.99819	.99825	.99831	.99836	.99841	.99846	.99851	.99856	.9986
3.0	.99865	.99869	.99874	.99878	.99882	.99886	.99889	.99893	.99896	.9990
3.1	.99903	.99906	.99910	.99913	.99916	.99918	.99921	.99924	.99926	.9992
3.2	.99931	.99934	.99936	.99938	.99940	.99942	.99944	.99946	.99948	.9995
3.3	.99952	.99953	.99955	.99957	.99958	.99960	.99961	.99962	.99964	.9996
3.4	.99966	.99968	.99969	.99970	.99971	.99972	.99973	.99974	.99975	.999
3.5	.99977	.99978	.99978	.99979	.99980	.99981	.99981	.99982	.99983	.999
3.6	.99984	.99985	.99985	.99986	.99986	.99987	.99987	.99988	.99988	.999
3.7	.99989	.99990	.99990	.99990	.99991	.99991	.99992	.99992	.99992	.9999
3.8	.99993	.99993	.99993	.99994	.99994	.99994	.99994	.99995	.99995	.9999

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Semester (July 2023 to October 2023)	
Examination: End Semester Examination November 2023 (UG Programme	s)

Programme code: 02

Programme: Bachelor of Commerce in Accounting and

Finance

Class: FY

Semester: I

Name of the Constituent College: S K Somaiya College

Name of the Department: Accounting

& Finance

Course Code:

Name of the Course: Statistical Techniques & Logical Reasoning

Duration: 2 Hrs.

Maximum Marks: 60

Instructions: 1)Draw neat diagrams

2)Assume suitable data if necessary

3)Non-programmable calculators are allowed

Question No.								Max. Marks	Co Attainment
Q1.	 A. Find the principal for which the simple interest for 8 years at 7.5% is 825 less than the simple interest for 6½ years at 10.5%. B. The mean mark of 100 students was given to be 40. It was found later that a mark 53 was read as 83. What is the corrected mean mark? C. If a dice is rolled twice with A being several as a series of the several se								C01 C02
	C. If a dice is rolled twice with A being an event of getting prime in the first throw and B being an event of getting multiple of 3 in the second throw. Check whether A and B are independent events?							5	C03
Q2.	A. For the follow	ing data	given be	elow:					
	Class Interval	0-10	10-20	20-30	30-40	40-50		15	C02
	frequency 12 f 21 19 15								
	 a. If the mean is 26.5, find 'f'. b. Evaluate mode and median. c. Calculate third quartile. OR								
B. Thakur lent Rs. 2560 to Jay and Rs. 3650 to Veeru at 6% rate of interest. After how many years should be receive a							% e a	8	C01
	total simple interest of Rs. 1863? C. If ABC bank offers 7% rate of interest compounded half yearly and XYZ bank offers 6.8% rate of interest compounded quarterly. Identify which bank offers the best offer.							7	C01

0.0				
Q3.	A. Find the probability that in 10 throws of a fair die a sc			*
	is a multiple of 3 will be obtained in at least 8 of the th		5	C03
	B. Eggs laid by a particular chicken are known to have le			
	normally distributed, with mean 6 cm and standard de cm. What is the probability of:	Viation 1.4	10	C03
	a. finding an egg bigger than 8 cm in length.			
	b. finding an egg smaller than 5 cm in length.			
	c. finding an egg between 4 and 7 cm in length.			
	Also, find the length above which only 20% of the tot laid.	al eggs are		
	OR			
	C. A random variable X has the following probability dis	stribution :	15	C03
	x 1 2 3 4 5 6			
	P(x) 3k k 2k 2k ² +k 5k ² 3k ² + 2k			
	a. Find k.			
	b. Compute mean and variance			
	c. Evaluate $P(X < 5)$.			
Q4.	A. If $A + B$ means A is the father of B; A - B means A	is the		
	brother B; A % B means A is the wife of B and A x	B means	10	C04
	A is the mother of B, then identify the blood relati	on		
	between M and T?			
	a. M×N%S+T			
	b. M×N-S%T			
	T N 00/11			
	c. T×N-S%M			
	d. M×N×S%T			
	d. M×N×S%T e. M is the grandmother of T.	Seema is to		G0.4
	d. M×N×S%T		5	C04
	 d. M×N×S%T e. M is the grandmother of T. B. Five girls are sitting on a bench to be photographed. So the left of Rani and to the right of Bindu. Mary is to the Rani. Reeta is between Rani and Mary. Find all possi 	he right of	5	C04
	 d. M×N×S%T e. M is the grandmother of T. B. Five girls are sitting on a bench to be photographed. Sthe left of Rani and to the right of Bindu. Mary is to the Rani. Reeta is between Rani and Mary. Find all possi arrangements. 	he right of	5	C04
	 d. M×N×S%T e. M is the grandmother of T. B. Five girls are sitting on a bench to be photographed. So the left of Rani and to the right of Bindu. Mary is to the Rani. Reeta is between Rani and Mary. Find all possi arrangements. OR 	he right of ble seating	5	C04
	 d. M×N×S%T e. M is the grandmother of T. B. Five girls are sitting on a bench to be photographed. Sthe left of Rani and to the right of Bindu. Mary is to the Rani. Reeta is between Rani and Mary. Find all possi arrangements. 	he right of ble seating	5	C04
	 d. M×N×S%T e. M is the grandmother of T. B. Five girls are sitting on a bench to be photographed. So the left of Rani and to the right of Bindu. Mary is to the Rani. Reeta is between Rani and Mary. Find all possis arrangements. OR C. Answer the following directional problem with draw instructed in the questions - a. Ravi put his timepiece on the table in such a second control of the control of the purchase. 	he right of ble seating ing as	5	C04
	 d. M×N×S%T e. M is the grandmother of T. B. Five girls are sitting on a bench to be photographed. So the left of Rani and to the right of Bindu. Mary is to the Rani. Reeta is between Rani and Mary. Find all possis arrangements. OR C. Answer the following directional problem with draw instructed in the questions - a. Ravi put his timepiece on the table in such a wind form the problem. 	he right of ble seating ing as	7-1-A	
	 d. M×N×S%T e. M is the grandmother of T. B. Five girls are sitting on a bench to be photographed. So the left of Rani and to the right of Bindu. Mary is to the Rani. Reeta is between Rani and Mary. Find all possis arrangements. OR C. Answer the following directional problem with draw instructed in the questions - a. Ravi put his timepiece on the table in such a second control of the control of the purchase. 	he right of ble seating ing as way that at rection the	7-1-A	
	 d. M×N×S%T e. M is the grandmother of T. B. Five girls are sitting on a bench to be photographed. So the left of Rani and to the right of Bindu. Mary is to the Rani. Reeta is between Rani and Mary. Find all possis arrangements. OR C. Answer the following directional problem with draw instructed in the questions - a. Ravi put his timepiece on the table in such a second form of P.M. hour hand points to North. In which display minute hand will point at 9.15 P.M.? b. A man walks 5 km toward the south and then right. After walking 3 km he turns to the left in the properties of the left in the properties. 	he right of ble seating as way that at rection the turns to the and walks 5	7-1-A	
	 d. M×N×S%T e. M is the grandmother of T. B. Five girls are sitting on a bench to be photographed. So the left of Rani and to the right of Bindu. Mary is to the Rani. Reeta is between Rani and Mary. Find all possis arrangements. OR C. Answer the following directional problem with draw instructed in the questions - a. Ravi put his timepiece on the table in such a wind for the following direction on the table in such a wind for the following direction is not the left standard will point at 9.15 P.M.? b. A man walks 5 km toward the south and then right. After walking 3 km he turns to the left standard will direction is he from the standard problem. 	he right of ble seating as way that at rection the turns to the and walks 5	7-1-A	
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	 d. M×N×S%T e. M is the grandmother of T. B. Five girls are sitting on a bench to be photographed. So the left of Rani and to the right of Bindu. Mary is to the Rani. Reeta is between Rani and Mary. Find all possis arrangements. OR C. Answer the following directional problem with draw instructed in the questions - a. Ravi put his timepiece on the table in such a wind for the following direction all problem with draw instructed in the questions - a. Ravi put his timepiece on the table in such a wind for the following direction at 9.15 P.M.? b. A man walks 5 km toward the south and then right. After walking 3 km he turns to the left km. Now in which direction is he from the staplace? D. Find the missing number in below given number serial. 7, 10, 8, 11, 9, 12, ?, ? b. 9, 11, 33, 13, 15, 33, 17, ?, ? 	he right of ble seating ing as way that at rection the turns to the and walks 5 arting	7-1-A	
	 d. M×N×S%T e. M is the grandmother of T. B. Five girls are sitting on a bench to be photographed. So the left of Rani and to the right of Bindu. Mary is to the Rani. Reeta is between Rani and Mary. Find all possis arrangements. OR C. Answer the following directional problem with draw instructed in the questions - a. Ravi put his timepiece on the table in such a wind for the following direction all problems. In which diminute hand will point at 9.15 P.M.? b. A man walks 5 km toward the south and then right. After walking 3 km he turns to the left km. Now in which direction is he from the staplace? D. Find the missing number in below given number seria. 7, 10, 8, 11, 9, 12, ?, ? 	he right of ble seating ing as way that at rection the turns to the and walks 5 arting	5	C04



	.00	.01	.02	.03	.04	.05	AREA to	.07	.08	.09
0.0	.50000	.50399	.50798	.51197	.51595	.51994	.52392	.52790	.53188	.53586
0.1	.53983	.54380	.54776	.55172	.55567	.55962	.56356	.56749	.57142	.57535
0.2	.57926	.58317	.58706	.59095	.59483	.59871	.60257	.60642	.61026	.61409
0.3	.61791	.62172	.62552	.62930	.63307	.63683	.64058	.64431	.64803	.65173
0.4	.65542	.65910	.66276	.66640	.67003	.67364	.67724	.68082	.68439	.68793
0.5	.69146	.69497	.69847	.70194	.70540	.70884	.71226	.71566	.71904	.72240
0.6	.72575	.72907	.73237	.73565	.73891	.74215	.74537	.74857	.75175	.75490
0.7	.75804	.76115	.76424	.76730	.77035	.77337	.77637	.77935	.78230	.78524
0.8	.78814	.79103	.79389	.79673	.79955	.80234	.80511	.80785	.81057	.81327
0.9	.81594	.81859	.82121	.82381	.82639	.82894	.83147	.83398	.83646	
1.0	.84134	.84375	.84614	.84849	.85083	.85314	.85543	.85769	.85993	.83891 .86214
1.1	.86433	.86650	.86864	.87076	.87286	.87493	.87698	.87900	.88100	.88298
1.2	.88493	.88686	.88877	.89065	.89251	.89435	.89617	.89796	.89973	
1.3	.90320	.90490	.90658	.90824	.90988	.91149	.91309	.91466	.91621	.90147
1.4	.91924	.92073	.92220	.92364	.92507	.92647	.92785	.92922	.93056	.91774
1.5	.93319	.93448	.93574	.93699	.93822	.93943	.94062	.94179	.94295	.93189
1.6	.94520	.94630	.94738	.94845	.94950	.95053	.95154	.95254	.95352	.94408
1.7	.95543	.95637	.95728	.95818	.95907	.95994	.96080	.96164	.96246	.95449
1.8	.96407	.96485	.96562	.96638	.96712	.96784	.96856	.96926	.96995	.96327
1.9	.97128	.97193	.97257	.97320	.97381	.97441	.97500	.97558	.97615	.97062
2.0	.97725	.97778	.97831	.97882	.97932	.97982	.98030	.98077	.98124	.97670
2.1	.98214	.98257	.98300	.98341	.98382	.98422	.98461	.98500	.98537	.98169
2.2	.98610	.98645	.98679	.98713	.98745	.98778	.98809	.98840	.98870	.98574
2.3	.98928	.98956	.98983	.99010	.99036	.99061	.99086	.99111	.99134	.98899
2.4	.99180	.99202	.99224	.99245	.99266	.99286	.99305	.99324	.99343	.99158
2.5	.99379	.99396	.99413	.99430	.99446	.99461	.99477	.99492		.99361
2.6	.99534	.99547	.99560	.99573	.99585	.99598	.99609	.99621	.99506	.99520
2.7	.99653	.99664	.99674	.99683	.99693	.99702	.99711	.99720	.99632	.99643
2.8	.99744	.99752	.99760	.99767	.99774	.99781	.99788	.99795	.99728	.99736
2.9	.99813	.99819	.99825	.99831	.99836	.99841	.99846	.99851	.99801	.99807
3.0	.99865	.99869	.99874	.99878	.99882	.99886	.99889	.99893	.99856	.99861
3.1	.99903	.99906	.99910	.99913	.99916	.99918	.99921	.99924	.99896	.99900
3.2	.99931	.99934	.99936	.99938	.99940	.99942	.99944	.99946	.99926	.99929
3.3	.99952	.99953	.99955	.99957	.99958	.99960	.99961		.99948	.99950
3.4	.99966	.99968	.99969	.99970	.99971	.99972	.99973	.99962	.99964	.99965
3.5	.99977	.99978	.99978	.99979	.99980	.99981	.99981	.99974	.99975	.99976
3.6	.99984	.99985	.99985	.99986	.99986	.99987		.99982	.99983	.99983
3.7	.99989	.99990	.99990	.99990	.99991	.99991	.99987	.99988	.99988	.99989
3.8	.99993	.99993	.99993	.99994	.99994	.99991	.99992 .99994	.99992	.99992	.99992
3.9	.99995	.99995	.99996	.99996	.,,,,,	.77774	.77774	.99995	.99995	.99995





Semester (July 2023 to October 2023)

Examination: End Semester Examination October/November 2023 (UG/PG Programmes)

Programme code: 02
Programme: BAF

Name of the Constituent College: S K Somaiya College

Class: FYBAF

Name of the Department: Accounting and Finance

Course Code:

Name of the Course: Fundamentals of Economics.

Duration: 2 Hrs.

Maximum Marks: 60

Instructions: 1)Draw neat diagrams 2)Assume suitable data if necessary

	Question		Max.	Со
-	No.		Marks	Attainment
	Q.1	Economics is the branch of social science that studies the production, exchange, distribution, and consumption of goods and services. In general, economics is a subject which deals with human behaviour, Economics studies economic human behaviour scientifically. It studies how humans try to optimise (maximize or minimize) certain objectives under given constraints. For example, it studies how consumers, with given income and prices of the commodities, try to maximize their satisfaction. A) Explain how the consumers maximize their satisfaction with limited resources. (5) B) Explain how the producers maximize profit with limited resources. (5) C) Discuss the difference between producer theory and consumer theory.	15	1,2,3,4
	Q.2 A)	Answer any one of the following: Analyze the concept of consumer equilibrium in case of single commodity and two commodities. OR Derive an Engel Curve for different types of goods in the economy.	15	1,2
	Q.3 A) B)	Answer any one of the following: Design the three stages of returns to scale. OR Design the Cost Curves in a short run.	15	3
	Q.4 A) B)	Answer any one of the following: Explain the competition and antitrust policy in India OR Elaborate on the concept of New Economy with Flow Chart.	15	4



Library

Semester (November 2023)

Examination: End Semester Examination November 2023 (UG Programmes)

Programme code: 02
Programme: BAF

Name of the Constituent College: S K Somaiya College
Name of the Department:
Accounting and Finance

Course Code:
Name of the Course: Corporate Finance – I

Duration: 1 Hrs.

Maximum Marks: 30

Instructions: 1)Draw neat diagrams 2)Assume suitable data if necessary 3)

Question No.					Max. Marks	Co Attainment
1 A	Z Company have prov	ided following	information.		10	CO2
	Particulars					
7	Debt	2,00,000	3,80,000	5%		
	Preference Shares	2,00,000	1,10,000	8%		
	Equity Shares	7,00,000	12,00,000	13%		
	Retained Earnings	1,00,000	-	9%		
	Determine Weighted A value of sources.			ring market		
		OR				
1 B	X Ltd has equity share 100 each. It wishes to plant. Company has for	raise further ₹	3,00,000 for mo	into shares of ₹ dernisation of its	10	CO 1 & 3
	1. Issue of Share					
	2. ₹ 1,00,000 by Debentures.					
1	3. By borrowing	from bank at 1	0%			
	You are required to expansion is ₹ 1,50,00					
2A	Following is financial Mar 2023.	data provided	by Ashok Ltd for	r year ended 31	10	CO 4
	Contribution as % of	Sales : 25%				
	Interest: 20,00,000					
	Operating Leverage :	5:1			à	
	Financial Leverage : 3					
	Tax Rate: 40%					
	You are required to prinformation.	repare income s	statement based of	on above		
		OF	2			

2B		vailable from X Ltd. You are required to verage. Financial Leverage and Combined	10	CO 4		
	Leverage.					
	Particulars	X Ltd				
	Sales (in units)	30,000 units			-	
	Selling price 25 per unit					
	Variable Cost 20 per unit					
	Fixed Cost ₹ 50,000					
	Interest	₹ 35,000				
	Tax % 40					
	No of Equity Shares	10,000				
3A	K Ltd. issued 5,000 equity s	hares of ₹ 100 each at a premium of 10%.	5	CO 2	1	
	The company has been payi	The company has been paying 20% dividend to Equity Shareholders.				
	Calculate cost of equity cap					
3B	Calculate cost of retained e	earnings with following information for Z	5	CO 2	1	
	Ltd.					
	Return for equity shares					
	expected at 2%					





Semester (November 2023)

Examination: End Semester Examination November 2023 (UG Programmes)

Programme code: 02
Programme: BAF

Name of the Constituent College: S K Somaiya College

Course Code:

Name of the Course: Corporate Finance — I

Duration: 1 Hrs.

Maximum Marks: 30

Instructions: 1)Draw neat diagrams 2)Assume suitable data if necessary 3)

Question No.					Max. Marks	Co Attainment
1 A	A Company have provided following information.					CO2
	Particulars	Book Value	Specific Cost			
	Debt	4,00,000	5%			
	Preference Shares	1,00,000	8%			
	Equity Shares	6,00,000	13%			
	Retained Earnings	2,00,000	9%			
	Determine Weighted Average	Cost of Capital.				
		OR				
1 B	Jay Ltd has following capital structure.					CO
	Particulars	Amount		10	1 & 3	
	Equity Share Capital (Face Value ₹100) 20,00,000					
	Retained Earnings 10,00,000					
	9% Preference Share C	12,00,00	0			
	7% Debentures	8,00,00	0			
	The company requires addit					
	program for which following					
	1. Issue of 20,000 Equity					
	2. Issue of 10% Preference Shares.					
	3. Issue of 8% Debenture					
	The EBIT after expansion is					
	The company pay tax @ 50%					
	You are required to suggest m EPS.					
2A	X Ltd provided its operational	10	CO 4			
	50,00,000 per annum. Variable costs are 75% of sales. Fixed Cost are					CO 4

	₹ 8,00,000.			*	٦
	You are required to calculate operating leverage, financial leverage,				
	combined leverage under the following situations.				
	1. Company borrows 9% Bank loan ₹ 10,00,000				
	2. Company issue 10% Debentu				
	OI				
2B	Z Ltd. needs ₹ 5,00,000 for construction of new plant. It had following		10	CO	+
	3 options.			1 & 3	
	a. Company may issue 50,000 Equity Shares at ₹ 10 per share.				
	b. Company may issue 25,000 Equity Shares at ₹ 10 per share				
	and 8% 2500 Debentures at 100 each.				
	c. Company may issue 25,000 Equity Shares at ₹ 10 per share				
	and 8% 2500 Preference Shares at 100 each.				1
	Tax rate for the company is 50%. If EBIT of the company is ₹100,000.				
	Calculate EPS and suggest which of the 3 options should be selected.				
3A	You are required to calculate operating & Financial Leverage from		5	CO 4	-
	following information.				
	Particulars				
	Sales 20,000 units				
	Selling price 15 per unit				
	Variable Cost 10 per unit				
	Fixed Cost ₹ 30,000				
	Interest	₹ 15,000			
3B	Y Ltd. issued 1,00,000 14% Debentures of ₹ 100 at 10% discount. It also incurred flotation cost at 5%. Tax rate is payable at 40%.			CO 2	-
	You are required to calculate cost of debt.				