



SOMAIYA

VIDYAVIHAR UNIVERSITY

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

QUESTION PAPERS

BRANCH: Bachelor of Commerce (Data Analytics)	SEM: I
	OCT/NOV-2025

Sr. No.	Subject	Available
1.	146U15C101 - Financial Account I	
2.	146U15I101 – Fundamentals of Economics	
3.	146U15K101 – Statistical Techniques Logical Reasoning	
4.		
5.		
6.		
7.		
8.		
9.		
10.		



LIBRARY



Q 2.

From the following Trial Balance of Mr. Shiva Prepare Final a/c.

15

02

TRAIL BALANCE AS ON 31ST MAR. 2025

DEBIT	₹	CREDIT	₹
OPENING STOCK: -		Bills Payable	50,000
Raw Materials	60,000	Capital	1,44,000
WIP	10,000	Provision for Bad Debts	7,000
Finished Goods	32,000	Creditors	50,000
Debtors	1,20,000	Sales	8,00,000
Purchase of Finished Goods	16,000		
Purchase of Raw Materials	5,00,000		
Carriage inward	8,000		
Direct Wages	1,00,000		
Salaries [75% Factory]	52,000		
Advertisement	6,000		
Bad Debts	4,000		
Commission	8,000		
Rent & Taxes [50% Factory]	24,000		
Postage & telegram	5,600		
Travelling [25% Factory]	7,000		
Carriage Outwards	8,400		
Machinery	80,000		
Furniture [40% Factory]	10,000		
	10,51,000		10,51,000

Adjustments: -

1. Closing Stock: - Raw Materials ₹ 80,000, Finished Goods ₹16,000, WIP ₹ 24,000.
2. Outstanding salaries ₹ 4,800.
3. Depreciate Machinery @ 10% p.a. & Furniture @ 10%.
4. Commission was prepaid to the extent of ₹ 1,200.
5. Provide RDD @ 5% on Debtors.

OR

Q.2.

From the following Trial Balance of Mr. MILIND Prepare Final a/c.

15

02

TRAIL BALANCE AS ON 31ST DEC. 2025

DEBIT	₹	CREDIT	₹
OPENING STOCK: -		Sales	10,56,000
Raw Materials	1,60,000	Capital	20,00,000
		Provision for Bad Debts	24,000
WIP	3,00,000	Creditors	4,00,000
Finished Goods	3,80,000	Loan	3,20,000
Debtors	3,80,000	Purchase Returns	28,000
Drawings	1,20,000		
Managers salary	24,000		
Cash	1,48,000		
Patents	32,000		
Machinery	4,00,000		
Building	8,00,000		
Extension to building	1,00,000		
Purchase of raw materials	4,00,000		
Carriage	32,000		



Wages	3,60,000		
Factory Expenses	32,000		
Factory Rent	40,000		
Office Expenses	20,000		
Printing & Stationery	40,000		
Discount	24,000		
Advertisement	20,000		
Bad Debts	16,000		
	38,28,000		38,28,000

Adjustments: -

1. Closing Stock: - Raw Materials ₹ 2,00,000, Finished Goods ₹4,00,000, WIP ₹ 3,20,000.
2. Outstanding Expenses – Advertisement ₹ 2,000 & Printing ₹ 1,200.
3. Depreciate Machinery @ 10% p.a. & Patents 20%
4. Stock of stationery on hand ₹ 4,000 on 31st Dec. 25.
5. Increase reserve for bad debts by ₹ 12,000.
6. Interest on loan of ₹ 4,000 is still unpaid.
7. Manager is entitled for a commission of 5% on net profit before charging his commission.

Q.3. MAU and co provides you following details of their purchases and issue of stock of Material for the months of MARCH, 2025

15

01

Date	Particulars
01.03.2025	Opening Stock 2400 units @ Rs. 10/- per unit
07.03.2025	Issue 1200 units
12.03.2025	Purchased 1200 units @ ₹ 12 per unit
17.03.2025	Issue 800 units
21.03.2025	Purchased 800 units @ ₹ 15 per unit
27.03.2025	Issue 1600 units
30.03.2025	Purchased 1600 units @ ₹ 16 per unit

Out of purchased on March 12th, 200 units were returned to the suppliers on March 15th.

Out of sales on March 27th, a customer returned 80 units on March 28th.

Prepare separate statement showing value of closing stock under FIFO and Weighted Average Method.

OR

Q.3. POOJA Co. Ltd. invited application for 50,000 of its equity shares of Rs.10 each at a premium of Rs.2 per share, payable Rs.3 on application, Rs.5 on allotment including premium and the balance equally on first and final call.

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03

Applications for 62,500 shares were received. It was decided;

to refuse allotment to the applicants for 2,500 shares;

to allot in full to applicants for 10,000 shares;

to allot the balance of available shares in pro-rata among the other applicants and to utilize excess application moneys in part payment of allotment moneys.

Miss. Bhavana holding 250 shares to whom, full allotment was made failed to pay the amount due on call only.

These shares were forfeited. All shares of Miss. Muskan were re-issued at Rs.9 per share.

Show the journal entries and the balance sheet in the books of POOJA Co. Ltd.

Q.4. Mr. Moksh holds as on 1st, April 2024 Rs.75,000 (cost price Rs.78,000) 6% Government Securities as investment on which interest is payable half yearly on 30th June and 31st December every year. The following transactions took place during the accounting year ended 31st March,2025.

Purchase:
 On 1/5/2024 Face value Rs.30,000 @ 98 cum- interest
 On 1/11/2024 Face value Rs.45,000 @ 101 ex-interest.

Sales:
 On 1/8/2024 Face value Rs.36,000 @ 97 cum-interest
 On 1/2/2025 Face value Rs.24,000 @ 102 ex- interest.
 Market price of investment at 1% discount on 31st March,2025.
 Write up Investment Account closing it on 31st March,2025 in the books of Mr. Moksh Investment are to be valued at cost or at market value whichever is less. (apply AS 13)

15

04

OR

Q.4. Mr. Ram entered into following transactions of purchase and sale of Equity Shares of Om Ltd. The shares have paid up value of Rs.10 per share.

15

04

Date	No. of Shares	Terms	Date	No. of	Term
01-01-24	600	Buy @ Rs.20 p.s	25-07-24	2,500	Bonus Shares
15-03-24	900	Buy @ Rs25 p.s.	20-12-24	1,500	Sale @ Rs.22 p.s.
20-05-24	1,000	Buy @ Rs.22 p.s.	01-02-25	1,000	Sale @ Rs.24 p.s.

Additional Information:

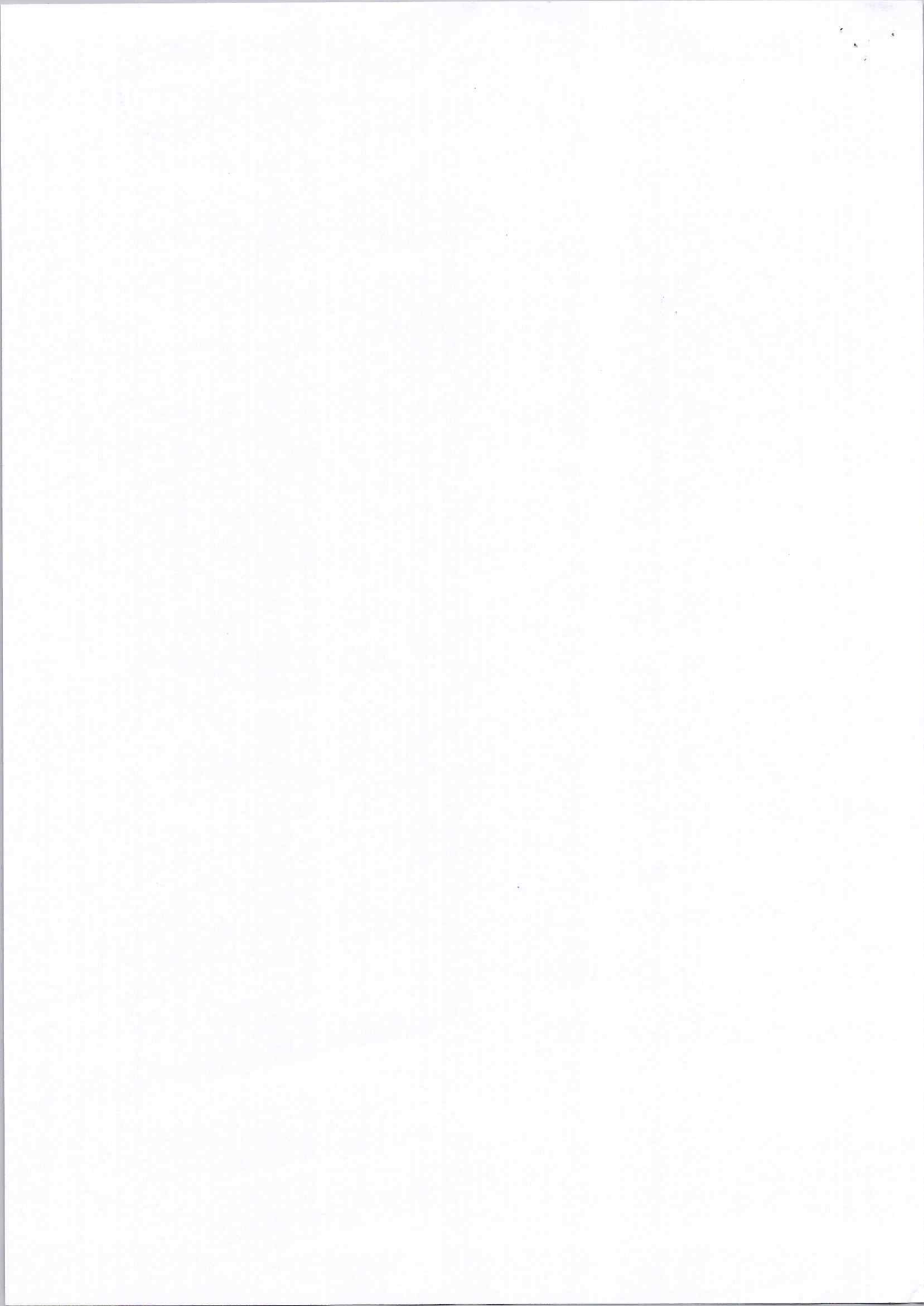
(1) On 15th September 2024, dividend @ Rs.3 per share was received for the year ended 31st March 2024.

(2) On 12th November 2024, the company made a rights issue of equity shares in the ratio of one share for five shares held on payment of Rs.20 per share. He subscribed to 60% of the shares and renounced the remaining shares on receipt of premium of Rs.3 per share.

You are required to prepare Investment Account for the years ended 31-3-2024 and 31-3-2025

October 2025		
Examination: End Semester Examination (UG Programmes)		
Programme code: 04	Class: FY	Semester: I
Programme: B.Com (Financial Markets)		
Name of the Constituent College: Dr. Shantilal K. Somaiya School of Commerce and Business Studies		Name of the Department – Financial Markets
Course Code: 146U15I101	Name of the Course: Fundamentals of Economics	
Duration : 2 Hr.	Maximum Marks : 60	
Instructions: 1)Draw neat diagrams 2)Assume suitable data if necessary		

Question No.	All questions are compulsory	Max. Marks	CO
Q1			
A	Define Market Structure to sales manager of your team.	5	2
B	Outline Monopolistic competition in Economics.	5	3
C	Explain BOP to your classmates in college.	5	4
Q 2			
A	Introduce “Kautilya as a management Guru” to your friends as they are unaware of Indian Economy.	7	1
B	Explain Components of Arthashastra book in an International Seminar. OR	8	1
C	Explain Consumer Theory and give its assumptions to your marketing trainee in office.	7	2
D	Prepare a slide on “Marginal Utility with its assumptions” in your class presentation.	8	2
Q 3			
A	Analyze monopoly market with its advantages and limitations for a government department as you are appointed in their research team in an upcoming project.	7	3
B	Do a comparative study with suitable examples on Duopoly and Oligopoly markets for a foreign delegate of your company as they are unaware of Indian markets. OR	8	3
C	Explain fixed cost, variable cost and total cost in economics to your factory manager.	7	3
D	Discuss Perfect Competition and give its advantages in a group discussion in a college event .	8	3
Q4			
A	Prepare a distinction between GDP and NNP for a research study being conducted in your office.	7	4
B	Prepare a power point presentation on “Green GDP” also present its importance for in-depth understanding of classmates. OR	8	4
C	Analyze scope of macro economics in an interview for the panel.	7	4
D	Classify circular flow with diagram of macro-economics to your friend Raj as he is from IT stream and is unaware of the concept.	8	4





November / December 2025		
Examination: End Semester Examination (UG Programme)		
Programme code: 15	Class: FY	Semester: I
Programme: Bcom data analysis		
Name of the Constituent College: Dr. Shantilal K Somaiya School of Commerce & Business Studies		Name of the Department: commerce
Course Code: 146U15K101	Name of the Course: Statistical Techniques Logical Reasoning	
Duration : 2 Hr.	Maximum Marks : 60	
Instructions: 1) All questions are compulsory 2) Figures to the right indicate full marks 3) Use of simple calculator is allowed.		

Question No.		Max. Marks	CO																
Q1	Answer following questions	15	1-4																
1.	For following probability distribution find $E(X)$ and $V(X)$. <table border="1" style="width: 100%; text-align: center; margin-top: 5px;"> <tr> <td>X</td> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> <tr> <td>P</td> <td>0.1</td> <td>0.2</td> <td>0.2</td> <td>0.3</td> <td>0.15</td> <td>0.05</td> </tr> </table>	X	0	1	2	3	4	5	P	0.1	0.2	0.2	0.3	0.15	0.05				
X	0	1	2	3	4	5													
P	0.1	0.2	0.2	0.3	0.15	0.05													
2.	Find accumulated amount if Rs. 1,25,000 were kept in a fixed deposit for 5 years at 9% compound interest p.a.																		
3.	If the median marks for a group of students are 27, find the number of students getting marks between 30 and 40. <table border="1" style="width: 100%; text-align: center; margin-top: 5px;"> <tr> <td>Marks</td> <td>0-10</td> <td>10-20</td> <td>20-30</td> <td>30-40</td> <td>40-50</td> </tr> <tr> <td>No. of students</td> <td>5</td> <td>5</td> <td>10</td> <td>—</td> <td>3</td> </tr> </table>	Marks	0-10	10-20	20-30	30-40	40-50	No. of students	5	5	10	—	3						
Marks	0-10	10-20	20-30	30-40	40-50														
No. of students	5	5	10	—	3														
Q2 a)	Find three quartiles for following data, <table border="1" style="width: 100%; text-align: center; margin-top: 5px;"> <tr> <td>Class Interval</td> <td>Frequency</td> </tr> <tr> <td>5-10</td> <td>6</td> </tr> <tr> <td>10-15</td> <td>8</td> </tr> <tr> <td>15-20</td> <td>17</td> </tr> <tr> <td>20-25</td> <td>21</td> </tr> <tr> <td>25-30</td> <td>15</td> </tr> <tr> <td>30-35</td> <td>11</td> </tr> <tr> <td>35-40</td> <td>2</td> </tr> </table>	Class Interval	Frequency	5-10	6	10-15	8	15-20	17	20-25	21	25-30	15	30-35	11	35-40	2	08	2
Class Interval	Frequency																		
5-10	6																		
10-15	8																		
15-20	17																		
20-25	21																		
25-30	15																		
30-35	11																		
35-40	2																		
Q2 b)	Ketan purchased a secondhand motorbike with initial payment of Rs. 20000- and six-monthly instalments of Rs. 5000 each. If the seller wishes to get 12% compound interest p.a. find the price of the bike. OR	07	1																
Q2 c)	Find interest and amount of Rs. 50000 for 4 years at 10% rate of interest compounded annually, semi-annually, quarterly and monthly.	08	1																
Q2 d)	Fit straight line trend using Least square method. <table border="1" style="width: 100%; text-align: center; margin-top: 5px;"> <tr> <td>Year</td> <td>1997</td> <td>1998</td> <td>1999</td> <td>2000</td> <td>2001</td> <td>2002</td> <td>2003</td> </tr> </table>	Year	1997	1998	1999	2000	2001	2002	2003	07	2								
Year	1997	1998	1999	2000	2001	2002	2003												

	Production	75	82	85	90	98	102	120		
Q3 a)	From the past experience it is known that A can solve 3 examples out of 5 and B can solve 4 examples out of 7. An example is given to both of them to solve independently. Find the probability that, a) The example remains unsolved. b) The example is solved. c) Only one of them solves the example.								08	3
Q3 b)	A die is rolled 6 times and occurrence of 1,3 and 4 is considered as success. Find probability of getting, a) Exactly 2 success. b) Atleast 4 success.								07	3
OR										
Q3 c)	A committee of 5 people is to be formed from a group of 8 boys and 7 girls. Find the probability that the committee consists of, a) 3 boys and 2 girls b) No boys c) Atleast 3 boys.								08	3
Q3 d)	Two cards are drawn from a well-shuffled pack of cards, what is the probability that, a) Both are red cards. b) Both are picture cards. c) One of them is an ace card.								07	3
Q4 a)	Mr. X took a loan of Rs. 60000 with 10% interest per month, to be repaid in 5 months. Calculate EMI also prepare Amortization table.								08	1
Q4 b)	a) If A is brother of B, B is sister of C and C is father of D, how is D related to A? Give justification. b) Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle". How is the boy related to the girl? Give justification.								07	4
OR										
Q4 c)	What number should come next in the following number series, Give justification. a) 22, 21, 23, 22, 24, 23, ... b) 53,53,40,40,27,27,.... c) 7,10,8,11,9,12,..... d) 3, 4, 7, 8, 11, 12, ...								08	4
Q4 d)	Find coefficient of variation for following data,								07	2
		CI	5-15	15-25	25-35	35-45	45-55	55-65		
		F	10	12	8	21	10	11		