



Tolani College of Commerce (Autonomous)

तोलानी वाणिज्य महाविद्यालय (स्वायत्त)

(Sponsored and Managed by Tolani Education Society, Mumbai - 400 021)

(Recognised Linguistic (Sindhi) Minority Institution, Affiliated to University of Mumbai)

Re-Accredited (3rd Cycle) by N.A.A.C. with 'A' Grade (CGPA 3.03)

Knowledge is Supreme

150-151, SHER-E-PUNJAB SOCIETY,
GURU GOBIND SINGH ROAD,
ANDHERI (EAST), MUMBAI-400 093.

Tel. : (022) 6153 5455

Fax : (022) 6153 5456

E-mail : tcc@tolani.edu

Website : tcc.tolani.edu

Name of the Department/ Programme	Department of Business Mathematics 1) Bachelor of Commerce						
Name of the Course	Vocational Skill Courses (VSC): Critical Thinking and Problem Solving						
Semester	II						
Number of Credits	2						
Number of lectures	30						
Lecture Duration	60 minutes per lecture						
Distribution of marks	<table border="1"><tr><td>CE</td><td>20</td><td>SEE</td><td>30</td><td>Total</td><td>50</td></tr></table>	CE	20	SEE	30	Total	50
CE	20	SEE	30	Total	50		

Learning Objectives of the Course

Sr. No.	Objectives
LOC1	• To develop the ability to analyze and evaluate logical arguments. Enhance analytical skills by learning to break down complex problems into smaller components.
LOC2	• To learn various problem-solving techniques and applying logical reasoning to find solutions. To develop the ability to approach problems systematically and efficiently.
LOC3	• To enhance numerical reasoning skills by applying logical and mathematical reasoning to solve quantitative problems.

Learning Outcomes of the Course

Sr. No.	Outcomes
CO1	• Tests of reasoning help individuals to develop and improve critical thinking abilities.
CO2	• By engaging in tests of reasoning, one can develop problem-solving strategies, learn to think creatively, and apply logical reasoning to find solutions.
CO3	• It helps to analyze and interpret information, identify patterns and draw logical conclusions



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Module. No	Syllabus in Details	Number of Lectures
1	Number series, Simplifications, Ratio and Proportion	10
2	Averages, Ages, Percentage, Partnership, Time and Work	10
3	Profit & Loss , Simple & Compound Interest , Direction tests Coding & Decoding tests	10

References:

- 1) Quantitative Aptitude by Dr. R.S. Agrawal
- 2) Quantitative Aptitude for Competitive Examinations by Abhijit Guha
- 3) Quantitative Aptitude by D. P. Gupta , Sanjeet Burnwal
- 4) Mental Ability by Edgar Thorpe
- 5) CAT Quantitative Aptitude by Gautam Puri

Scheme of Evaluation Pattern

Table 1A: Scheme of Continuous Evaluation (CE)

Scheme of Evaluation Pattern

Sub-components	Maximum Marks	Conditions for passing
1) Written assignment	10	a) A learner must be present for each of the sub-components. b) The subtotal of both sub-components must be minimum 08 marks
2) MCQ Based Test	10	
Total	20	



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**Table 1B: Scheme of Semester End Examination (SEE) Evaluation
Question Paper Pattern for Semester End Examination (SEE)**

Maximum Marks:30

Minimum Marks to Pass:12

Duration:1 Hour

Note: All questions are compulsory. Each question has an internal choice.

Question Number	Nature of Questions	Maximum Marks	
1)	Attempt any 2 of the following: (From Module I)	10	
	a)		
	b)		
	c)		
2)	Attempt any 2 of the following: (From Module II)	10	
	a)		
	b)		
	c)		
3)	Attempt any 2 of the following: (From Module III)	10	
	a)		
	b)		
	c)		