

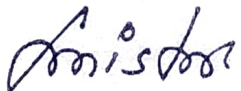
Part A introduction

11th SEM

Programme : Certificate		Class: B.COM.1 st Year	session : 2022-23
Subject:		Commerce	
1	Course Code	C1-COMB1T	
2	Course Title	Business Mathematics	
3	Course Type	Core 1 (PAPER 2)	
4	Pre-requisite	Not required open for all	
5	Course Learning Outcomes	<ul style="list-style-type: none"> To apply basic terms of integration in solving practical problems field of as of business. To explain basic methods of business calculus, types and methods of interest account and their basic applications in practice. To solve problems in the areas of business calculus, simple and compound interest account, use of compound interest account, loan and consumer credit. To discuss effects of various types and methods of interest account. connect acquired knowledge and skills with practical problems in economic practice. 	
6	Credit Value	6	
7	Total Marks	Max marks : (140+60)	Minimum Passing Marks : 35

Part B: content of the course

Total No. of Lectures (in hours per week)- 3, Total lectures: 90		
unit	topic	No. of lectures
1	Brief history of Vedic mathematics in Indian knowledge tradition, methods and practice of quick calculation of addition, multiplication, division, square and square root of numbers through Vedic mathematics, method of quick verification of answers from Digit Sum .	10
2	Rules for sign in Algebra and practice, Rules for calculation (BODMAS) and practice, Simultaneous Equations- Meaning, Characteristic, types, calculations (with word problems)	15
3	Theory of indices (preliminary knowledge only formulae), Logarithms and Antilogarithms-principles and calculations, Percentage	15
4	Ratio, Proportion, Discount, Brokerage	20
5	Commission, Average, profit and loss	15
6	Simple interest, Compound interest	15
Keywords/Tags: Vedic mathematics, Logarithms, Simultaneous Equations, Ratio, Proportion, Discount, Brokerage, Commission, Average, interest		


 (Prof. Pavan Mishra)

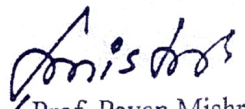
Part C learning Resources

1. Magar Dr. Abhilasha Business Mathematics Himalaya publication Mumbai
2. Sancheti & Kapoor Business Mathematics Sultan chand and sons New Delhi
3. Sharma J.K. Business Mathematics IK International pvt. Ltd. New Delhi
4. Kumar Mrityunjay Business Mathematics S. Chand Publishing New Delhi
5. Agrawal Dr. Mahesh Business Mathematics Ramprasad and sons Bhopal
6. Gourav Tekriwal Maths Sutra Penguin Books Gurgaon

Suggestive digital platforms, web links:

1. <https://www.gkpad.com/2020/09/bcom-books/>
2. <http://www.ignouhelp.in/ignou-bcoc-134-study-material/>
3. https://icmai.in/upload/Students/Syllabus-2012/Study_Material_New/Foundation-Paper4-Revised.pdf
4. <https://www.youtube.com/channel/UCkYHuQs69wk16EuxpIjDw-w>
5. <https://www.youtube.com/watch?v=-kxpwImzUes&t=816s>
6. https://www.youtube.com/results?search_query=virtual+class+mp+higher+education
7. <http://www.himpub.com/documents/Chapter1756.pdf>

Part D-Assessment and Evaluation		
Suggested Continuous Evaluation Methods:		
Maximum Marks : 100		
Continuous Comprehensive Evaluation (CCE) : ^{40 MARKS} University Exam (UE) : ^{60 MARKS} marks		
Internal Assessment : Continuous Comprehensive Evaluation (CCE) : ⁴⁰	Class Test (objective type or descriptive) Assignment/Presentation	- 20 - 20
External Assessment : University Exam Section: 75 Time : 02.00 Hours ⁶⁰	Section (A) : Three Very Short Questions (50 Words Each) Section (B) : Four Short Questions (200 Words Each) Section (C) : Two Long Questions (500 Words Each)	$3 \times 2 = 6$ $4 \times 7 = 28$ $2 \times 13 = 26$
		<u>60</u>


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