

FOUR YEAR UNDERGRADUATE PROGRAM-2024-28

FACULTY OF COMMERCE COURSE CURRICULUM

PART-A : Introduction			
Program : Bachelor in Commerce (Certificate/Diploma/Degree/Honors)		Semester-II	Session : 2024-25
1	Course Code	COSC-05	
2	Course Title	Business Mathematics	
3	Course Type	Discipline Specific Core Course (COSC)	
4	Pre-requisite (if any)	As per program	
5	Course Learning Outcomes (CLO)	<ul style="list-style-type: none"> Explore the application of business mathematical techniques to solve problems. Solve the ratio, proportion, variation and percentage and determine its application in different fields. Evaluate the profit or loss arising out of business transactions. Describe the practical application related to commission, brokerage, profit and loss, simple interest and compound interest. Solve numerical computations quickly and faster with the help of Vedic mathematics sutras. 	
6	Credit Value	4 Credits	Credit= 15 Hours-learning & Observation
7	Total Marks	Max.Marks : 100	Minimum Passing Marks : 40
PART – B: Content of the Course			
Total No. of Teaching-learning Periods (01 Hr. per period) -60 Periods (60 Hours)			
Unit	Topics (Course Contents)	No. of Period	
I	Vedic mathematics :-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. Simultaneous Equation :-Meaning, Characteristics, Methods of Solving Equation in Two Variables-Graphical, Substitution, Elimination and Cross Multiplication.	15	
II	Basic Financial Arithmetic : Simple and Compound interest- Principal, amount, concept of real and nominal rate of interest, difference between simple interest and compound interest, practical problems related to interest, time, rate, principal and amount. Logarithm and Antilogarithm -Practical use of logarithm and antilogarithm table.	15	
III	Commercial Arithmetic-I -Ratio & Proportion, Arithmetic Average, Percentage.	15	
IV	Commercial Arithmetic-II -Commission, Brokerage, Discount, Profit and Loss.	15	
Key Words	Vedic Maths, Simultaneous Equation, Simple & Compound Interest, Logarithm and Antilogarithm, Ratio, Proportion, Average, Percentage, Commission, Brokerage, Discount. Profit & Loss.		

Signature of Convener & Members (CBOS):

Signature
10/06/24

Signature
16.6.24

Signature

Signature
A. Shasho

PART- C: Learning Resources		
Text Books, Reference Books and Others		
Text Books Recommended:-		
1. Dr.S.M.Shukla,&Dr.S.K.Jain,Sahitya Bhawan Publication,Agra (Hindi & English Medium)		
2.Dr. Karim & Agrawal, Business Mathematics SBPD Publishing house, Agra(Hindi & English Medium)		
3. Agrawal Dr. Mahesh, Business Mathematics Ramprasad and sons Bhopal		
Note: Learners are advised to use latest edition of text books.		
Reference Books:		
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		
On line Resources : * e-Resources/e-books and e-learning portals:		
https://onlinecourses.swayam2.ac.in/nou24_cm08/preview		
https://www.geektonight.com/business-mathematics-notes/		
https://open.umn.edu/opentextbooks/textbooks/642		
https://byjus.com/maths/business-mathematics/		
https://www.youtube.com/watch?v=FWj2joeYKEU		
PART-D: Assessment and Evaluation		
Suggested Continuous Evaluation Methods: Maximum Marks		100 Marks
Continuous Internal Assessment (CIA) :		30 Marks
End Semester Exam. (ESE) :		70 Marks
Continuous Internal Assessment : (CIA)- (By Course Teacher)	Internal Test/Quiz : 20 & 20 (Assignment/Seminar): 10 Total Marks - 30	Better marks out of the two test/quiz+ obtained marks in Assessment shall be considered against 30 Marks
End Semester Exam.(ESE):	Two Section :- A & B Section A : Q.1-Objective -10x1=10Marks; Q.2-Short Answer type-5x4=20Marks Section B : Descriptive answer type qts. 1 out of 2 from each unit-4x10=40 Marks	

Name and Signature of Convener & Members of (CBoS):