

FOURTH YEAR UNDER GRADUATE PROGRAM (NEP-2020)

		competitive exams.
		□ To make understand the relevance and need of quantitative methods for making business decisions.
5	Credit Value	Theory & Tutorial: 2
6	Total Marks	Maximum Marks : 50 (Ext. 35 + Int. 15) Minimum Passing Marks : 20
Part B: Content of the Course		
Module	Topics	No. of Hours
	Basic Mathematics	
I	Brief history of Vedic Mathematics (In Indian Knowledge Tradition), Sanskrit terminology involved in 16 Sutras & 13 Sub-Sutras and their meaning, Addition, Subtraction, Multiplication & Division using different techniques of Vedic Mathematics, Squaring numbers, Square roots of perfect squares, Cube roots of perfect cubes, Methods of quick verification of answers through Digit Sum Method	8
II	Problem based on Numbers, Decimal Fractions, Average, Simple Interest, Percentage, Clocks	8
III	Problems on Profit & Loss, Discount, Ages, Speed, Time & Distance, Train, Ratio & Proportion, Mixture	8
	Logical Ability	
IV	Problems on Series Completion, Coding- Decoding, Inserting the Missing Character, Problems on Mirror Image & Water Image, Problems on Blood relations, Direction Sense Tests, Cubes & Dice, Logical Deductions based on Universal, Particular, Affirmative & Negative Premises.	6

Part C - Learning Resource

Text Books, Reference Books, Other Resources

1. Dr. R.S. Aggarwal, Quantitative Aptitude, S. Chand and Company Ltd., New Delhi.
2. Abhijit Guha, Quantitative Aptitude, Tata McGraw/Hill Publishing Company Limited, New Delhi
3. Dr. R.S. Aggarwal, Verbal & Non-Verbal Reasoning, S. Chand and Company Ltd., New Delhi
4. Rajesh Kumar Singh, Tricky Mathematics, Success Mantra Publications, Patna
5. Govind Prasad Singh & Rakesh Kumar, Text Book of Quickest Mathematics (For all Competitive Examinations)
6. Vedic Mathematics Made Easy Published by Dhaval Bhatia

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks:	50 Marks
Continuous Comprehensive Evaluation (CCE):	15 Marks
Semester End Exam (SEE):	35 Marks

Internal Assessment:	Internal Test -02 of 10 Marks each (best of two tests)	Sum of best of two test and assignment marks
Continuous Comprehensive Evaluation (CCE)	Assignment/Seminar-01 of 05 Marks	
Semester End	Paper-Two Section-A&B	