

Course Code: 22UHS522C	Quantitative Aptitude and Professional Skills	Credits: 02
L:T:P : 2:0:0		CIE Marks: 50
Total Hours/Week: 26hrs		SEE Marks: 50

UNIT-I	07 Hrs.
Numbers, Proportion & Finance: Number System, Factors & Multiples, Unit digit, Trailing zeros, LCM & HCF, Percentages, Profit & Loss, Discount, Interest:- Simple interest & Compound Interest, Ratio & Proportion-Variation, Partnership Mixture & Allegation, The God of Math – Linear Equation- Problems on age, coin, tow digit number	
UNIT-II	06Hrs.
Average, Time, Speed & Distance, Time & Work: Average, Time Speed, & Distance, Problems on train, Boat & Stream, Races & Tracks, Time & Work, Pipe & cistern, Permutation & combination, Probability: Permutations & Combinations, Probability, Mensuration	
UNIT-III	07 Hrs.
Logical reasoning:- Clocks and Calendars, Cryptarithmic, Blood Relations, Direction Tests, Data Interpretation, Data Sufficiency: DI & syllogism, Venn diagram Analytical, and Visual Reasoning: Coding Decoding, Visual Reasoning, Cube cuboid & Dice Related problems, Analytical Puzzles, Arrangement & Classification Puzzles, Non-verbal reasoning,	
UNIT-IV	06 Hrs.
Vocabulary Development: Vocabulary Building Techniques, Root Words, Antonyms & Synonyms, Sentence Completion, Error Detection & Correction, Reading Comprehension Communication Skills, Interview Preparation, resume building	
Reference Books:	
<ol style="list-style-type: none"> 1. R. S. Aggarwal, “A Modern Approach to Verbal and Non – Verbal Reasoning”, Sultan Chand and Sons, New Delhi, 2018 2. R. S. Aggarwal, “Quantitative Aptitude”, Sultan Chand and Sons, New Delhi, 2018 3. Chopra, “Verbal and Non – Verbal Reasoning”, MacMillan India 4. M Tyra, “Magical Book on Quicker Maths”, BSC Publications, 2018 5. George J Summers, “The Great Book of Puzzles & Teasers”, Jaico Publishing House, 1989 6. Shakuntala Devi , “Puzzles to Puzzle You”, Orient Paper Backs, New Delhi, 1976 7. R. S. Aggarwal, “A Modern Approach to Logical Reasoning”, Sultan Chand and Sons, New Delhi, 2018 8. Cambridge Advanced Learner’s Dictionary, Cambridge University Press. 9. Kaplan’s GRE guide 	

