21UHS521C	Quantitative Aptitude and Professional Skills	Credits: 02
L:T:P - 2 : 0: 0		**CIE Marks: 50**
Total Hours/Week:02		**SEE Marks: 50**

Course Objectives:
1. To develop and augment writtenEnglish languagevocabulary and comprehension skills
2. To augment the ability to understand and analyse a problem and find its solution through analysis of data given
3. To fine-tune the quantitative analysis and problem-solving skills

UNIT-I	08 Hrs.

Vocabulary Development: Vocabulary Building Techniques, Root Words, Antonyms & Synonyms, Sentence Completion, Error Detection & Correction, Reading Comprehension

UNIT–II	08 Hrs.

Numbers, Proportion & Finance: Number System, Factors & Multiples, The God of Math – Linear Equations, Ratio-Proportion-Variation, Percentages, Profit & Loss, Interest, Averages & Alligations

UNIT–III	07 Hrs.

Time & Probability: Time & Work, Time Speed, & Distance, Permutations & Combinations, Probability

UNIT–IV	07 Hrs.

Verbal, Analytical, and Visual Reasoning: Human Relations, Direction Tests, Coding Decoding, Clocks and Calendars, Visual Reasoning, Analytical Puzzles, Mathematical, Arrangement & Classification Puzzles

Reference Books

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

After active participation in this course, the student will have
CO1: Enhanced his/her vocabulary and learnt techniques to augment it further
CO2: Learned the techniques to augment his/her verbal ability
CO3: Understood step-by-analysis of the given problem and learnt to develop a method for solving it

CO4: Enhanced and augmented his/her ability to work with quantitative problems

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1		1							2	3		1
CO2		1							2	3		
CO3		2	2	3								1
CO4		1		2							2	1