



WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS & SCIENCE - KAYALPATNAM

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)
Run by Wavoo SAR Educational Trust
(Minority Institution)



Course Title: Reasoning Total Hours : 30 Hours	Department : Mathematics Credit: 2
Course Pre-requisites/ Co-requisites	Basic Knowledge in Mathematics
Objectives:	<ol style="list-style-type: none">1. Evaluate both deductive and inductive arguments, and identify fallacies in argumentative discourse.2. Make sound arguments based on mathematical reasoning and/or careful analysis of data.3. Effectively communicate the substance and meaning of mathematical problems and solutions.
Expected Learning Outcome:	On completion of the course, students will have the ability to <ol style="list-style-type: none">1. Solve practical problems using appropriate mathematical techniques.2. Demonstrate and apply critical thinking skills to solve a variety of problems.3. Utilize a systematic approach to problem solving.4. Use appropriate computer technology and software to perform analysis and calculations.
Module No. 1	Alphanumeric Series & Blood Relations 6 Hours
Missing Series , Alphabet - Number – Symbol , only Alphabetic Series , only Numerical – Series – Jumbled descriptions , Relational puzzle , Coded relations –,Miscellaneous equations	
Module No. 2	Calendar 6 Hours
A basic structure of a calendar and concept of an odd day , Decoded days of the weeks , Evaluation of a leap year , Evaluation of odd days in a century ,Type I problems , Type II problems , Type III problems.	
Module No. 3	Coding - Decoding 6 Hours
Alphabet coding , Numerical coding , Symbol based coding , Alphabet – symbol – Numerical coding , values coding	

Module No. 4	Puzzles & Odd one out	6 Hours						
Classify among words and people , classify among pair of word , odd one out among set , floor – based puzzles ,Tabular puzzles , Miscellaneous puzzles								
Module No. 5	Clocks & Seating arrangement	6 Hours						
The right and left directional movements , the directional reference point , the direction of sun rays and shadow , the correct map v/s wrong map , directions in clocks , directions in seating arrangement , linear arrangement , circular arrangement , Miscellaneous arrangements								
Text Books <ol style="list-style-type: none"> 1. R.S.Agarwal – A Modern approach to Verbal & Non – Verbal Reasoning by S.Chand& Co Ltd. 8th Edition January 1 2018 2. How to crack test of Reasoning ,Published by Arihant Publications. Revised Edition 1st April 2017 								
References <ol style="list-style-type: none"> 1. An Advanced Approach to Reasoning Verbal & Non – Verbal for Competitive Examinations, Published by Oswal Printers & Publishers Pvt. Ltd.; 2020th edition (1 July 2020); - info@oswalpublishers.in 2. BS Sijwali . Indhu Sijwali – A New Approach to REASONING Verbal & Non Verbal Analytical, Published by Arihant Publications, 2nd Edition 1st January 2014 3. R. Agarwal I S Chauhan – Verbal & Logical Reasoning, Published by Agarwal Examcat Latest Edition 14th December 2021 4. Geevargheese K. Mathews – Authentic Approach to Verbal & Non Verbal REASONING, Published by The Walnut Books New edition 14th December 2021 								
Web References <ol style="list-style-type: none"> 1. www.indiabix.com 2. www.testpot.com 3. www.freedu.in 4. www.sawaal.com 5. www.careerbless.com 								
Mode of Evaluation	Practice Tests-40%,Continuous Assessment Tests-60%, <table> <tr> <td>Assessment Test-1</td> <td>20%</td> </tr> <tr> <td>Assessment Test-2</td> <td>20%</td> </tr> <tr> <td>Assessment Test-3</td> <td>20%</td> </tr> </table>		Assessment Test-1	20%	Assessment Test-2	20%	Assessment Test-3	20%
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Course Coordinator	Ms. M. Kavitha							
Course Advisor	Dr. A. Sudha							