



# AMET

ACADEMY OF MARITIME EDUCATION AND TRAINING  
(Deemed to be University Under Section 3 of UGC Act 1956)

<b>PROGRAMME</b>	All UG / PG Programmes			
Course Name: Arithmetical Ability-I	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
	0	2	0	-
Year / Semester	II Year / III Semester	Contact hours per week ( 2 Hrs )		
Prerequisite course	NIL			
Course category	Placement Training			
Course Objective	The sole objective of imparting arithmetical ability is to make students able to recall basic arithmetic techniques and tips to solve day to day problems in real life quickly. This arithmetical ability helps them to solve various problems with accurate results in minimum time in competitive exams.			
Course Outcomes	After completing this training course, students will be able to  1. Enhance the Aptitude Round Clearing ability in interview process 2. apply their knowledge of arithmetical ability in a various day to day life problems quickly.			

## Quantitative Aptitude:

1. Partnerships
2. Speed, Time, and Distance
3. Progressions and Series
4. Permutation and Combination
5. Mixtures
6. Ratio, Proportion and Variation
7. Logarithm & Surds and Indices
8. Coordinate Geometry
9. Mensuration
10. Arithmetic Progression
11. Geometric Progression
12. Harmonic Progression
13. Power Cycle
14. Applications Of Power Cycle

15. Quadrilaterals
16. Derangement
17. Points, Lines & Planes
18. Circles
19. Constant Product Rule
20. Conditional Probability
21. Infinite Geometric Progression
22. Triangles
23. Similar Triangles
24. Weighted Average
25. Applications Of Averages
26. Laws In Set Theory
27. Properties Of Ratio
28. Graphical Division Geometry
29. Boats and Streams
30. Escalator Questions

Textbooks:

1. R. S. Aggarwal - Quantitative Aptitude for Competitive Examinations  
S. Chand Publishing (2017)
2. R. V. Praveen - Quantitative Aptitude and Reasoning-PHI Learning Private  
Ltd (2013)
3. Verma\_Sarvesh K. - Quantitative Aptitude Quantum Cat-Arihant Publication  
(2018)

**TOTAL : 30 Periods**