



Competitive Exam Coaching

Name of Course: COMPETITIVE EXAM COACHING

Duration: 1 Year

Offered by: Ramakrishna Sarada Mission Vivekananda Vidyabhavan

Eligibility: 10 + 2 Passed and RKSMVV Student

Course Fee – Rs. 1,530/-

Course Overview:

This comprehensive coaching course is designed to equip students with the essential skills and knowledge required to excel in the quantitative, mathematical, statistical and logical reasoning sections of competitive exams. It offers in-depth coverage of key topics, structured learning modules, and intensive practice sessions. By the end of the course students will be better equipped at problem-solving techniques, speed calculation, and accuracy improvement. They will also develop critical thinking skills by exploring mathematical logic, sequences and series, probability, and data interpretation; gain proficiency in statistical concepts and enhance logical reasoning abilities.

Course Objectives:

- Communication Goal: Students will be able to interpret and communicate quantitative information and mathematical and statistical concepts using language appropriate to the context and intended audience.
- Problem Solving Goal: Students will be able to make sense of problems, develop strategies to find solutions, and persevere in solving them.
- Reasoning Goal: Students will be able to reason, model, and make decisions with mathematical, statistical, and quantitative information.
- Evaluation Goal: Students will be able to critique and evaluate quantitative arguments that utilise mathematical, statistical, and quantitative information.
- Technological Goal: Students will be able to use appropriate technology in a given context.

Syllabus in Modules:

Computer Fundamentals & MS Word		
Module	Content	Duration(Hrs.)
1	Mathematics (Basics): <ul style="list-style-type: none">• Percentage• Decimals• Factors and Multiples• Ratios• Geometry• Integers• Number System• Simplification• HCF and LCM• Ratio and Proportion	13

	<ul style="list-style-type: none"> • Problems on Age • Partnership • BODMAS 	
2	Reasoning (Basics): <ul style="list-style-type: none"> • Coding • Relationship • Analogy • Mathematical ability test 	5
3	Mathematics (Advanced): <ul style="list-style-type: none"> • Average • Profit and Loss • Simple and Compound Interest • Mensuration • Time and Work • Time and Distance • Square Root • Trigonometry • Approximation • Mixture & Alligation • Permutation and Combination • Boats and Streams • Surds and Indices • Pipes and Cisterns 	22
4	Reasoning (Advanced): <ul style="list-style-type: none"> • Calendar Problem • Mathematical Ability Test • Syllogism 	16

	<ul style="list-style-type: none"> • Cause and effect • Word and number Analogy 	
Assessment		4
Total duration		60

Resource Persons:

Sushobhana Pal, State Aided College Teacher, Department of Mathematics,
Ramakrishna Sarada Mission Vivekananda Vidyabhavan

Pravrajika Bhumatmaprana, Monastic Faculty, Department of Mathematics,
Ramakrishna Sarada Mission Vivekananda Vidyabhavan

Learning Outcomes:

- To enable the student to demonstrate strong understanding of key quantitative, mathematical, and statistical concepts essential for competitive exams.
- To enable the student to apply advanced problem-solving techniques to tackle a variety of mathematical and logical reasoning challenges with speed and accuracy.
- To enable the student to analyse and interpret complex data sets using statistical methods.
- To enable the student to exhibit improved logical reasoning skills.
- To enhance the student's confidence and readiness for competitive exams through regular practice tests, personalised feedback, and targeted exam strategies.