



**ST ALOYSIUS COLLEGE (AUTONOMOUS)  
MANGALURU, KARNATAKA - 575003**

[www.staloysius.edu.in](http://www.staloysius.edu.in)

**UG DEPARTMENT OF MATHEMATICS**

Offers

**An Online  
Certificate Course**

In

**QUANTITATIVE APTITUDE FOR  
COMPETITIVE EXAMINATIONS**

**Course Highlights**

- Improves numerical and problem-solving ability
- Useful for exams like CAT, BANK PO, UPSC-CSAT and others
- Proficiency in Aptitude tests
- E-Certificate on successful completion

- **COURSE DURATION:** 30 hours
- **MODE OF STUDY:** Online
- **ELIGIBILITY:** Students of UG and above
- **COURSE COMMENCEMENT:** 04/10/2021

**Course Fee: ₹ 500 /-**

To Register log into: <https://sac-elearning.com/courses/quantitative-aptitude-for-competitive-examinations/>

**HURRY UP,  
ENROL  
NOW!!**

**MS PRIYA MONTEIRO  
HOD**

**REV. DR PRAVEEN MARTIS SJ  
PRINCIPAL**

**DR JOHN E. DSILVA  
DIRECTOR, XAVIER  
BLOCK**

**COURSE COORDINATOR: MS ROLLIN PREETHA VAZ  
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***PROPOSAL FOR  
CERTIFICATE PROGRAM  
ON***

***“QUANTITATIVE APTITUDE  
FOR COMPETITIVE  
EXAMINATIONS”***

**Submitted to**

**The Principal**

**&**

**Coordinator of Certificate Programs**

**Aloysius College (Autonomous)**

**Submitted by**

**Department of Mathematics (UG)**

**Course Instructor Ms**

**Rollin Preetha Vaz**

**Course type:** Certificate Program

**Course Code:** CEC 130

**Title:** Quantitative Aptitude for Competitive Examinations

**Course Goals:**

- To improve the numerical and problem-solving ability of the students.
- To help students for various competitive exams like CAT, GMAT, BANK PO, UPSC-CSAT and others.

**Course details:**

- **Course duration:** 30 hours which includes video lectures and quizzes.
- **Course fee:** ₹ 500
- **Target audience:** Students currently in UG and above
- Enrolled students shall dedicate at least 2 hours per week towards the course.
- The course can be accessed through St Aloysius College e-learning platform: <https://sac-elearning.com/dashboard/my-courses/>
- E-certificate will be provided on successful completion of the course.

**Course Syllabus:**

1. Shortcut tricks for calculations ( 2 hours )
2. Number Systems ( 2 hours )
3. Progressions ( 2 hours )
4. Averages and Alligations ( 2 hours )
5. Percentages ( 2 hours )
6. Profit and Loss ( 2 hours )
7. Simple and Compound Interest ( 2 hours )
8. Ratio and Proportion ( 2 hours )
9. Time and Work ( 2 hours )
10. Time, speed and distance ( 2 hours )
11. Permutation and Combination ( 2 hours )
12. Probability ( 2 hours )
13. Coordinate geometry and Mensuration ( 2 hours )
14. Set Theory ( 2 hours )

**Scheme of Examination:**

Duration of exam: 1 hour

Number of questions: 30 (each question carrying 1 mark)

Minimum passing grade: 50%

**For more details, contact course coordinator:**

**Ms Rollin Preetha Vaz**

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