**INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE**
**2A & 2B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032, India**

**Seminar Notice**
Org. by
**School of Mathematical & Computational Sciences**

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| **Title:** | **Transition from High-School Algebra to College Algebra** |
| **Speaker:** | **Professor Amartya Kumar Dutta, Indian Statistical Institute, Kolkata** |
| **Date:** | **Thursday, 12 December 2019** |
| **Time:** | **15:30 Hours** |
| **Venue:** | **Room 404, 3rd. floor, IACS** |
| **Abstract:** | The algebra taught up to the higher secondary stage is a part of ``Classical Algebra'' which is primarily a study of polynomials: solutions of polynomial equations, relations between the roots and coefficients of polynomials. At the college level, students get introduced to ``Modern Algebra'' or ``Abstract Algebra'' which is primarily a study of abstract structures like groups, fields, rings and ideals. The late Prof. S.S. Abhyankar gave the names ``High-School Algebra'' and ``College Algebra'' to ``Classical Algebra'' and ``Abstract Algebra'' respectively.<br><br>Though we use the common name ``Algebra'', the High-School Algebra and College Algebra may appear to the students to be completely different branches of study, mysteriously linked by a common name. In this talk we shall try to indicate a link between the two: how the study of groups and fields emerged from the study of the cubic and higher degree polynomials. |

**All are cordially invited to attend the seminar**