

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF MUMBAI,

ANNOUNCES: ONLINE LECTURE SERIES: 28 AUGUST to 1 SEPTEMBER 2023

BY PROFESSOR RAM MURTY,

FRSC, A. V. DOUGLAS DISTINGUISHED UNIVERSITY PROFESSOR AND QUEEN'S RESEARCH CHAIR, QUEEN'S UNIVERSITY, CANADA.

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Lecture 5: p-adic Gamma functions and p-adic Lfunctions 1 September 2023, 16.00-17.30 (Indian Standard Time)

p-adic number theory

Lecture 4: Krasner's lemma, Mahler's theorem 31 August 2023,

16.00-17.30 (Indian Standard Time)

Lecture 3: Hensel's lemma and ramification theory 30 August 2023, 16.00-17.30 (Indian Standard Time) Lecture 1: Introduction to padic numbers 28 August 2023, 16.00-17.30 (Indian Standard Time)

Lecture 2: p-adic series and Strassman's theorem 29 August 2023, 16.00-17.30 (Indian Standard Time)



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Professor Ram Murty is currently A. V. Douglas Distinguished University Professor at Queen's University, Canada. His research interest is mainly number theory and in particular Artin's conjecture, Elliptic curves, Modular Forms, Automorphic forms, Langlands Program, Selberg's conjectures, Sieve Methods, and Cryptography. He obtained his Ph.D. from MIT in 1980 and his advisor was Professor Harold Stark. He received the Coxeter-James Prize, 1988 and is fellow of the Royal Society of Canada since 1990. He also received the Balaguer Prize (1996) jointly with V. Kumar Murty and the Queen's Research Prize, 2003. He is Adjunct Professor in India at several institutions including IIT Bombay. He is cross-appointed to the Department of Philosophy in Canada too. He is a fellow of several distinguished academies in India as well as abroad. He received the award for Excellence in Graduate Student Supervision, 2018. He has written atleast 15 books and has numerous publications in reputed international journals. He supervised more than 50 master as well as doctoral theses.

Convenor of the lecture series: Anuradha S. Garge.