Advanced Training in Mathematics Schools

Supported by National Board for Higher Mathematics

Seventh Annual Foundation School-II (AFS-II)

Venue: Department of Mathematics, Panjab University, Chandigarh

June 2 - 29, 2011

Conveners: Vinod Kumar Grover & Vikas Bist

Brief Description of ATM Schools

Advanced Training in Mathematics (ATM) Schools are a joint effort of a large number of mathematicians in the country for training mathematics research scholars and teachers with generous support from the National Board for Higher Mathematics. The programmes are conducted in reputed mathematics departments in Summer and Winter each year. In these Schools, the emphasis is on problems solving and on understanding interrelations of basic subjects in mathematics. At the initial stage, ATM Schools consist of two Annual Foundation Schools (AFS I & II) in algebra, analysis, and topology. At a later stage, Advanced Instructional Schools (AIS) and workshops (ATMW) in all major areas are organised. Several advanced instructional schools (ATML) are organized each year exclusively for young lecturers in colleges and universities

Seventh Annual Foundation School, Part II

Basic knowledge in algebra, analysis, and topology forms the core of all advanced instructional schools to be organized in the ATM programme. The objectives of the Annual Foundation Schools are to bring students with diverse backgrounds up to a common level and to identify those who are fit for further training. Any student who wishes to attend the Advanced Instructional Schools is encouraged to enrol in the Annual Foundation Schools. The aim of this school is to instill in the research students and young teachers the love for creativity, thrill of tackling problems and make them experience excitement and challenges of Mathematics. There will also be two lecture series entitled Unity of Mathematics Lectures which will cover topics highlighting fundamental unity among various branches of mathematics.

Financial Support

Selected participants will be paid III-AC return train fare from their place of work/home town to the venue by shortest route and provided with accommodation and local hospitality.

NBHM Committee for the ATM Programme

Prof. J. K. Verma (*Convener*)	IIT Bombay
Prof. S. A. Katre	Pune U., Pune
Prof. S. Kesavan	IMSc, Chennai
Prof. Shobha Madan	IIT Kanpur
Prof. N. Nitsure	TIFR, Mumbai

Eligibility for participation

The School will admit 30 students in their first and second years of Ph.D. programme, a few bright students of M.Sc. (II year) and a few young university lecturers and college teachers. A participant who has attended an AFS-II before will not be allowed to attend this school.

How to Apply

The syllabus, applications form and other information about the programme is available on the website:

www.bprim.org

Applications may also be made on plain paper, giving the following information: Name, Date of Birth, Age, Gender, Institute/Department, Areas of interest, Address for correspondence, email address, City, State, Pincode, Academic Record: B.Sc./M.Sc./ with names of the Institutes. These should be attested by Head/Principal of the institute.

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Completed application forms should reach by **28th March, 2011.** List of selected candidates will be posted on the website of ATM Schools on **2nd April, 2011.**

Resource persons

Satya Deo	Kapil Pranjape
V. K. Grover	Satish Shirali
Sudesh Kaur Khanduja	R. R. Simha
Amit Kulshrestha	N. Raghvendra
Chanchal Kumar	J. K. Verma
Dilip Patil	

Unity of Mathematics Lectures

R. J. Hans-Gill, I.B.S.Passi