

**GOVERNMENT OF INDIA  
NATIONAL BOARD FOR HIGHER MATHEMATICS  
DEPARTMENT OF ATOMIC ENERGY  
ANUSHAKTI BHAVAN, C.S.M. MARG, MUMBAI 400 001  
Email: [psmsnbhm@dae.gov.in](mailto:psmsnbhm@dae.gov.in), [msnbhm@dae.gov.in](mailto:msnbhm@dae.gov.in)  
Website: [www.nbhm.dae.gov.in](http://www.nbhm.dae.gov.in)**

**SCHOLARSHIPS FOR PURSUING DOCTORAL PROGRAMME  
(Ph. D) IN MATHEMATICS FOR THE ACADEMIC YEAR 2008-  
09**

The National Board for Higher Mathematics (NBHM) invites applications for the grant of scholarships to students for pursuing research for a Ph.D. degree in mathematics.

**Eligibility:**

Applicants must be motivated B.A./B.Sc./B.Tech./B.E./M.A./M.Sc. degree holders or final year students of these degree courses. They must have a good academic record (1st Class or equivalent grade in all years from +2 level to the present. B.Sc (Honors) students with second class will be admitted for the test.

**The Scholarship:**

Successful candidates will be eligible to receive a scholarship amount of Rs. 8,000/- (Rs Eight thousand only) per month, a contingency grant of Rs. 5000/- (Rs. Five thousand only) per year and house rent allowance as per central government norms wherever applicable (**steps are under way for upward revision of the scholarship amount**). The scholarships are for a total period of five years, sanctioned for one year at a time and renewable at the end of the year, subject to satisfactory progress. An enhanced amount of scholarship may be offered after evaluation by the board at the end of the second year.

To avail of the scholarship the students have to enroll in an appropriate institution for a Ph.D. degree in mathematics. The scholarship will be paid through the institution they join.

**Selection Procedure:**

The written test will be based on questions in topics normally covered in Master's degree programmes in mathematics. The test will be for two and half hours and involve questions with short answers. Some details about the structure of the test and some sample questions will be sent with the call letters and will also be available on the NBHM web page (URL given at the top). Selection will be made on the basis of a written test followed by interview of short-listed candidates. The written test will be held on **Saturday, February 2, 2008.**

**Important Note:**

The candidates who wish to be considered for Ph. D. programmes in mathematics in the Institute of Mathematical Sciences (IMSc), Chennai and the Harish-Chandra Research Institute (HRI), Allahabad are required to appear for this written test. For details visit

<http://www.imsc.res.in> and <http://www.mri.ernet.in>

The written test will be conducted at the following centres, divided into five separate zones:

**Zone 1** : Chandigarh, New Delhi

**Zone 2** : Allahabad, Indore, Jabalpur

**Zone 3** : Goa, Mumbai, Pune, Vallabh Vidyanagar

**Zone 4** : Bhubaneswar, Guwahati, Kolkata, Ranchi

**Zone 5** : Bangalore, Chennai, Cochin, Hyderabad

### **How to Apply:**

Applications on **plain paper** should be made in the **format** given at the end of the advertisement and should be sent **in duplicate along with a recent passport size photograph attached to each copy** and a self-addressed envelope, affixed with a Rs.5/- postage stamp, to the **address as given below for the appropriate zone** in which the candidate wishes to appear for the written test. The envelope containing the application should be superscribed, "**NBHM Ph. D. Scholarship**".

**Applications should NOT be sent to the NBHM office.** A candidate may send separate applications independently to more than one zone. However, in general, applications will not be transferred from one zone to another. Names of two centres from the respective zone must be clearly indicated giving the order of preference. A centre of candidate's choice will be allotted, as far as possible. If necessary, the zonal coordinator may some times allot some other centre close to the indicated alternatives.

### **Addresses of zonal coordinators for sending completed applications:**

**Zone 1:** Prof. R.J. Hans Gill, email:  
hansgill@pu.ac.in  
Department of Mathematics,  
hansgillrj@yahoo.co.in  
Panjab University,  
Hans Raj Gupta Hall,  
**Chandigarh** 160 014.

**Zone 2:** Prof. Satya Deo Tripathi, email:  
vcsdeo@yahoo.com  
Harish-Chandra Research Institute,  
Chhatnag Road, Jhusi,  
**Allahabad** 211 019.

**Zone 3:** Prof. S.G. Dani, email:  
dani@math.tifr.res.in  
School of Mathematics,  
Tata Institute of Fundamental Research,

Homi Bhabha Road, Colaba,  
**Mumbai** - 400 005.

**Zone 4:** Prof. S.C. Bagchi, email:  
somesh@isical.ac.in  
Stat-Math Unit,  
Indian Statistical Institute,  
203 B.T. Road,  
**Kolkata** 700 108.

**Zone 5:** Prof. S. Kesavan, email:  
kesh@imsc.res.in  
Institute of Mathematical Sciences,  
C.I.T. Campus, Taramani,  
**Chennai** - 600 113.

**Deadline:**

The last date for the receipt of completed applications is **Friday, December 14, 2007.**

A communication calling the applicant for the test, together with allotment of centre (hall ticket) will be sent so as to reach the candidate by **January 12, 2008.** Also candidates not found eligible will be informed accordingly by that date. **In the event of an applicant not receiving a communication regarding the test by January 12, 2008, the applicant shall contact the zonal coordinator, to whom the application was sent, to find out the status and the appropriate remedial measures.**

A hall-ticket sent by a zonal coordinator is normally necessary to be admitted to the test. In exceptional cases, eligible candidates may be admitted to the test, at the discretion of the centre-in-charge at the appropriate centre. For this purpose, the applicant must contact the centre-in-charge suggested by the appropriate zonal coordinator. Information about test centres and persons-in-charge may be obtained from the zonal coordinator, NBHM website or by contacting NBHM office (address at the top).

**Important Dates:**

**December 14, 2007:** Last date for receiving applications.

**January 12, 2008:** The applicant should contact the zonal coordinator to whom the application was sent, if he/she does not receive a communication about the test (or hall-ticket) by this date.

**January 22, 2008:** The applicant must contact the centre suggested by the zonal coordinator if the applicant does not receive a hall ticket by this date.

**February 2, 2008:** Date of Written Test.

**PROFORMA**

**NATIONAL BOARD FOR HIGHER MATHEMATICS**  
**APPLICATION FOR Ph. D. SCHOLARSHIP IN MATHEMATICS**

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Photograph  
Here**

(1) Name (in BLOCK LETTERS); (2) Date of birth and Nationality; (3) Male/Female; (4) Choice of two centres in order of preference, from the list of centres in the zone where the application is sent; (5) Address for correspondence (in BLOCK LETTERS with PIN code) email address; Telephone No. and Mobile No. (6) Name and address of the current Institution of study/affiliation (7) Details of academic qualifications beginning with Matriculation, School Leaving Certificate or equivalent examination in the following format:

School/ College/ Institution	Board/ University	Examination passed	Year of passing	Division/ class and % of marks obtained	% of marks in Mathematics	Subjects
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(Please highlight the marks in Mathematics by underlining the same) (8) Any other relevant information in support of your candidature including Awards or Scholarships; (9) whether you applied for NBHM Scholarships in the past. If yes, give year(s) of application, whether called for test/interview and the outcome and (10) Area of Interest (choose from Pure Mathematics, Applied Mathematics, Statistics and Mathematical Physics).

(Signature of the applicant)

Place :

Date: