

**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, msnbhm@dae.gov.in
Website: www.nbhm.dae.gov.in**

**SCHOLARSHIPS FOR PURSUING DOCTORAL PROGRAMME
(Ph. D) IN MATHEMATICS / STATISTICS / MATHEMATICAL PHYSICS
FOR THE ACADEMIC YEAR 2009-10**

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 / Statistics / Mathematical Physics.

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 may also apply.

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 and contingency grant**). The scholarships are normally for a total period of **four** 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. If deemed fit, the scholarship may be extended to five years at the discretion of NBHM

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:

A written test will be held 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. Question papers of some earlier years will 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, January 24 2009**.

Important Note:

The candidates who wish to be considered for Ph. D. programmes 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, Shillong
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 sometimes allot some other centre close to the indicated alternatives.

Addresses of zonal coordinators for sending completed applications:

- | | | |
|----------------|---|--|
| Zone 1: | Prof. Sudesh Kaur Khanduja
Department of Mathematics,
Punjab University,
Hans Raj Gupta Hall,
Chandigarh 160 014. | email: skhand@pu.ac.in
sudeshkaur@yahoo.com |
| Zone 2: | Prof. Satya Deo Tripathi,
Harish-Chandra Research Institute,
Chhatnag Road, Jhusi,
Allahabad 211 019. | email: vcsdeo@yahoo.com
sdeo@mri.ernet.in |
| Zone 3: | Prof. Nitin Nitsure
School of Mathematics,
Tata Institute of Fundamental Research,
Homi Bhabha Road, Colaba,
Mumbai - 400 005. | nitsure@math.tifr.res.in |
| Zone 4: | Prof. S.C. Bagchi,
Stat-Math Unit,
Indian Statistical Institute,
203 B.T. Road,
Kolkata 700 108. | email: somesh@isical.ac.in |
| Zone 5: | Prof. S. Kesavan,
Institute of Mathematical Sciences,
C.I.T. Campus, Taramani,
Chennai - 600 113. | email: kesh@imsc.res.in |

Deadline:

The last date for the receipt of completed applications is **Friday, December 5, 2008.**

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 5, 2009**. 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, 2009, 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 5, 2008:** Last date for receiving applications.
- January 12, 2009:** 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 17, 2009:** The applicant must contact the centre suggested by the zonal coordinator if the applicant does not receive a hall ticket by this date.
- January 24, 2009:** Date of Written Test.

PROFORMA

NATIONAL BOARD FOR HIGHER MATHEMATICS
APPLICATION FOR Ph. D. SCHOLARSHIP IN
MATHEMATICS / STATISTICS / MATHEMATICAL PHYSICS



**Paste a
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. **(Copies of mark-sheets / certificates should NOT be attached to the application).**

School/ College/ Institution	Board/ University	Examination passed	Year of passing	Division/ class and % of marks obtained	% of marks in Mathematics	Subjects
------------------------------------	----------------------	-----------------------	--------------------	--	------------------------------	----------

(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: