

**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 2012-13**

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 may also apply.

**The Scholarship:**

Successful candidates will be eligible to receive a scholarship amount of Rs. 16,000/- (Rs Sixteen thousand only) per month for the first and second year and Rs 18,000/- (Rs Eighteen thousand only) per month for subsequent years, a contingency grant of Rs. 20,000/- (Rs. Twenty thousand only) per year and house rent allowance as per central government norms wherever applicable. 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. 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 28, 2012.**

**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. Gurumeet Kaur Bakshi  
Department of Mathematics,  
Punjab University,  
Hans Raj Gupta Hall,  
Chandigarh 160 014.

email: [gkbakshi@pu.ac.in](mailto:gkbakshi@pu.ac.in)

**Zone 2:**

Dr Kalyan Chakraborty,  
Harish-Chandra Research Institute,  
Chhatnag Road, Jhusi,  
Allahabad 211 019.

email: [kalyan@mri.ernet.in](mailto:kalyan@mri.ernet.in)

**Zone 3:**

Prof. Nitin Nitsure  
School of Mathematics,  
Tata Institute of Fundamental Research,  
Homi Bhabha Road, Colaba,  
Mumbai - 400 005.

email : [nitsure@math.tifr.res.in](mailto: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](mailto: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](mailto:kesh@imsc.res.in)

**Deadline:**

The last date for the receipt of completed applications is **Friday, December 16, 2011.**

A communication calling the applicant for the test (hall ticket), together with allotment of center will be sent so as to reach the candidate by **Friday, January 6, 2012.** **In the event of an applicant not receiving a communication regarding the test by the due date, the eligible applicant shall contact the person (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 appear for 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:**

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|---------------------------|--|
| <b>December 16, 2011:</b> | Last date of receiving application.  |
| <b>January 6, 2012:</b>   | The applicant should contact the <u>zonal coordinator</u> to whom the application was sent, if he/she does not receive a communication about the test (or hall-ticket) by this date. |
| <b>January 20, 2012:</b>  | The applicant must <u>contact the centre</u> suggested by the zonal coordinator if the applicant does not receive a hall ticket by this date.  |
| <b>January 28, 2012:</b>  | Date of Written Test.  |

**PROFORMA**

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

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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. (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
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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: