JEST-2000
JOINT ENTRANCE SCREENING TEST-2000
For Ph.D. Programmes in Physics/Mathematics/Theoretical Computer Science

Applications are invited from highly motivated persons, with a consistently good academic record, for enrollment in a Ph.D. Programme in Physics (Including Theoretical and Observational Astronomy, Astrophysics, Plasma Physics & Technology, Earth & Atmospheric Sciences and Space Sciences)/Mathematics/Theoretical Computer Science, at any of the following institutes:

- Indian Institute of Astrophysics (IIA), Bangalore, for Physics, Astronomy & Astrophysics.
- The Institute of Mathematical Sciences (IMSc), Chennai, for Theoretical Physics, Mathematics and Theoretical Computer Science.
- Institute for Plasma Research (IPR), Gandhinagar, for Physics (Experimental & Theoretical).
- Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune, for Physics, Astronomy & Astrophysics.
- Inter-University Consortium for DAE Facilities (IUC-DAEF), Indore, for Physics (Experimental Condensed Matter & Synchrotron Radiation).
- Mehta Research Institute of Mathematics and Mathematical Physics (MRI), Allahabad, for Theoretical Physics, Mathematics and Astrophysics.
- National Centre for Radio Astrophysics (NCRA), Tata Institute of Fundamental Research, Pune, for Physics (Astronomy & Astrophysics).
- Physical Research Laboratory (PRL), Ahmedabad, for Physics (Experimental & Theoretical, Space Sciences, Earth & Atmospheric Sciences, Nonlinear Dynamics, Computational Physics), Astronomy & Astrophysics.
- Raman Research Institute (RRI), Bangalore, for Physics (Experimental Physics: Soft Condensed Matter, Optics, Theoretical Physics), Astronomy & Astrophysics.

Minimum Qualifications

Physics: M.Sc. in Physics or M.Sc./M.E./M.Tech in related disciplines. Candidates with M.Sc. in Mathematics will also be considered at IIA. At IPR, Masters’ degree in Physics/Engineering Physics/Applied Physics, etc. is necessary. Graduates with a B.E. or B.Tech. degree will also be considered at IIA, IUCAA, NCRA and RRI.

Mathematics: M.Sc. in Mathematics or M.Sc./M.E./M.Tech. in related disciplines. Candidates with B.E./B.Tech. will also be considered at MRI.

Theoretical Computer Science: M.Sc./M.E./M.Tech. in Computer Science or related disciplines, and should be interested in the mathematical aspects of computer science.

At IMSc, exceptionally talented B.Sc./B.E./B.Tech. graduates in Physics/Mathematics/Computer Science will also be considered for an early start in a Ph.D. Programme in their respective disciplines.

In all disciplines, persons who expect to complete their final examination by August 2000, are also eligible to apply.

Details about the various institutes and their Ph.D. Programmes are given in the brochures, which will be mailed with the application form.

Selection Procedures

Candidates applying for Ph.D. Programmes in Physics/Theoretical Computer Science will have to appear for the JEST (written examination) at any one of the following centres:

Ahmedabad, Allahabad, Bangalore, Bhubaneswar, Calcutta, Chandigarh, Chennai, Delhi, Guwahati, Hyderabad, Indore, Jaipur, Kanpur, Kathmandu, Kochi, Madurai, Mumbai, Nagpur, Patna, Pune, Raipur, and Santiniketan.

Using the JEST results each institute will call separately, a limited number of candidates for its further selection procedure depending on its requirements. Travelling allowance will be provided to those who are called for interviews.

Admission to the Ph.D. Programme in Mathematics at IMSc/MRI will be on the basis of an AT-Home Examination, for which the question paper will be sent to the applicants after receiving their completed application forms, and subsequent separate interviews at IMSc/MRI.

All selected candidates will receive Research Fellowships.

How to Apply

There are separate application forms for Physics, Mathematics, and Theoretical Computer Science.

For Physics, application forms can be obtained by writing to: The Coordinator, Core Programmes, IUCAA, Post Bag 4, Ganeshkhind, Pune 411 007, along with a self-addressed envelope (Size approximately 30 cm x 12.5 cm) stamped Rs 18.

For Mathematics, application forms can be obtained by writing to: The Registrar, Mehta Research Institute of Mathematics and Mathematical Physics, Chhatnag Road, Jhusi, Allahabad 211 019, along with a self-addressed envelope (Size approximately 30 cm x 12.5 cm) stamped Rs 9.

For Theoretical Computer Science, application forms can be obtained by writing to: The Chief Administrative Officer, The Institute of Mathematical Sciences, C.I.T. Campus, Tharamani, Chennai 600 113, along with a self-addressed envelope (Size approximately 30 cm x 12.5 cm) stamped Rs 9.

Important Dates

Request for application form should reach by 30 November 1999
Completed application form should reach by 15 December 1999
The JEST for Physics/Theoretical Computer Science will be held on Sunday, 6 February 2000

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