JOINT ENTRANCE SCREENING TEST - 2022
For Ph.D. Programmes in
Physics/Theoretical Computer Science/Computational Biology /Neuroscience

Sunday March 13, 2022, from 10.00 a.m. to 1.00 p.m.

Test Centres

Ahmedabad, Allahabad, Aligarh, Amritsar, Bengaluru, Bardhaman, Bhubaneswar, Bhopal, Chandigarh, Chennai, Delhi, Goa, Guwahati, Indore, Hyderabad, Jaipur, Kanpur, Kharagpur, Kolkata, Kochi, Madurai, Mangalore, Mumbai, Nainital, Nagpur, Patna, Pune, Rajkot, Roorkie, Srinagar, Silchar, Siliguri, Tiruchirapalli, Udaipur, and Visakhapatnam.

Apply online through https://www.jest.org.in from December 13, 2021 to January 18, 2022.

The Science & Engineering Research Board (SERB) (statutory body established through an Act of Parliament) recognized JEST as a National Eligibility Test sponsored programmes/projects vide their Office Memo No. 58/59/2-2015. Qualifying in JEST does not entitle an applicant to any Fellowship. Using the JEST results, each institute will call a limited number of candidates for further selection depending on their requirements.

Eligibility Criteria

M.Sc, Integrated Ph.D.: B.Sc. in physics/mathematics; Regular Ph.D.: M.Sc in physics/ applied-physics; B.Tech./B.E./M.E./M.Tech./4 year B.S./M.C.A. may also be considered for M.Sc and Ph.D. (integrated and regular) programmes in some institutes. Please check the websites of individual institutes for further details. Students in the final year of these courses are also eligible to appear for JEST 2022. Application through email or post will not be accepted.

For further information please visit JEST website: https://www.jest.org.in

Aryabhata Research Institute of Observational Sciences, Nainital
Condensed matter physics (Experiments & Theory), Astronomy & Astrophysics (Theory), Atomic & Molecular physics (Experimental), Bio-crystallography & Bio-informatics, & High energy physics (Theory).

Indian Institute of Science, Bangalore
Condensed matter physics (Experiments & Theory), Atomic & Molecular physics, Biophysics, Bio-crystallography & Bio-informatics, & High energy physics (Theory).

Indian Institute of Science Education and Research, Mohali
Quantum Information (Experiment and Theory), Complex systems & Networks, Theoretical Astrophysics & Cosmology, Particle Physics and Field Theory, Statistical physics, Quantum thermodynamics, Condensed Matter (Theory and Experiment), NMR-Methodology.

Indian Institute of Science Education and Research, Tirupati

Physical Research Laboratory, Ahmedabad

Harish-Chandra Research Institute, Allahabad
Theoretical physics and Astrophysics.

Constituent Institutes of Homi Bhabha National Institute, Mumbai
A Deemed University

National Institute of Science Education and Research, Bhubaneswar
Experimental and theoretical condensed matter physics, experimental and theoretical high energy physics, string theory & cosmology & astrophysics, non-linear and quantum optics, quantum information.

Indian Institute of Science Education and Research, Berhampur
Condensed matter physics (Theory and Experiment), Electronic Devices, High energy physics (Theory, Phenomenology, Experiment), Nuclear Structure, Photonics, Quantum Theory, Quantum Information.

Indian Institute of Science Education and Research, Pune
Condensed matter physics, Computational material science, Nonmetal and Technology Atomic Physics & Quantum Optics, Nonlinear dynamics. Astrophysics, Particle Physics and Field Theory, Nuclear theory & Plasma physics, Quantum information processing, Soft matter.

S.N. Bose National Centre for Basic Sciences, Kolkata
Condensed matter physics, Chemical & biological physics, Condensed matter physics & material science, High energy physics and Quantum field theory, Mathematical physics, Nanoscience, Quantum optics & quantum information, Statistical physics, Complex system.

Raman Research Institute, Bengaluru

Tata Institute of Fundamental Research, Thane

IIT Bombay
Experimental and theoretical condensed matter physics, Computational materials science, accelerator-based irradiation induced phenomena, low dimensional systems, Physics of interfaces, Nano-materials, Thin films technology & Theoretical physics.

TIFR Centre for Interdisciplinary Sciences, TIFR-Hyderabad

UGC-DAE Consortium for Scientific Research, Indore
Condensed matter physics; thin films, electron, optical, X-ray spectroscopies; scanning probe microscopy; laser manipulation; Raman & Mössbauer spectroscopy; XMD & spectroscopy with synchrotron, Neutron diffractometry, Experimental Nuclear Physics: y-ray spectroscopy and heavy ion reaction.

Indian Institute of Science Education and Research, Kolkata
Condensed matter physics (Theory & Experiment), Laser physics, Laser plasma interactions, Ultrafast physics (Experiments), Astrophysics and high energy physics (Theory, Phenomenology, Experiment), Nonlinear optics, Atomic & Molecular physics (Theory & Experiment).

Indian Institute of Science Education and Research, Tiruchirappalli
Experimental: Magnetism; Superconductivity, NMR, Quantum Dot Devices, Condensed Matter Physics, Surface sciences, Nanoscale plasmonics, Ultrafast spectroscopy, Theory: Cosmology, Quantum information, Statistical physics, Condensed matter, String theory & Nonlinear dynamics.

National Brain Research Centre, Gurgaon
Molecular, Systems, Computational, Cognitive & Translational Neurosciences, Neurocomputing, Neuroinformatics, Neuroimaging, Neurophysiology and Functional connectomics.

Indian Institute of Science Education and Research, Pune

Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore

Indian Institute of Science Education and Research, Thiruvananthapuram
Experimental: Magnetism, Superconductivity, NMR, Quantum Dot Devices, Condensed Matter Physics, Surface sciences, Nanoscale plasmonics, Ultrafast spectroscopy, Theory: Cosmology, Quantum information, Statistical physics, Condensed matter, String theory & Nonlinear dynamics.

Saha Institute of Nuclear Physics, Kolkata
Condensed matter physics (Theory & Experiment), Nuclear physics (Theory & Experiment), High energy physics (Theory & Experiment), Relativistic heavy ion collisions & QCD phase transition (Theory & Experiment), Astrophysics, Particle physics, Cosmology, QCD, QED, Quantum Electrodynamics, String theory, Mathematical physics, Surface science & Plasma physics.

Indian Institute of Space Science and Technology, Thiruvananthapuram
Experimental and theoretical condensed matter physics, Applied & Adaptive optics, Atomic and Molecular physics, Condensed matter physics, Nanotechnology, NMR of materials and other systems, Nonlinear dynamics, Photonics, Quantum information and Statistical Physics.

Indian Institute of Space Science and Technology, Kharagpur
Superconductivity, and Research, Thiruvananthapuram
Astrophysics and space research, Physic, Astro-particle physics, Experimental and theoretical high energy physics, String theory & gravitational waves.

International Centre for Theoretical Sciences, TIFR-Bengaluru

National Institute of Science Education and Research, Bhopal
Accelerator, Condensed matter physics & materials science, Nuclear Physics (Experiment and Theory), Relativistic heavy ion collisions & QCD phase transitions (Theory & Experiment).

Centre, Gurgaon
Molecular, Systems, Computational, Cognitive & Translational Neurosciences, Neurocomputing, Neuroinformatics, Neuroimaging, Neurophysiology and Functional connectomics.

Variable Energy Cyclotron Centre, Kolkata
Accelerator physics, Condensed matter physics & materials science, Nuclear Physics (Experiment and Theory), Relativistic heavy ion collisions & QCD phase transitions (Theory & Experiment).

Institute for Plasma Research, Gandhinagar
Fundamental and applied plasma Physics Research involving theory & experiments on magnetic confinement fusion plasma, complex/dusty plasma, industrial plasma applications including plasma material processing; laser produced plasma, laser plasma interaction, radio-frequency plasma applications etc.

Indian Institute of Astrophysics, Pune
All areas of Astronomy & Astrophysics including Ground and Space-based Instrumentation and Observations, Solar physics, Extragalactic astronomy, High energy astrophysics, Gravitational waves, Theoretical and Computational astrophysics, Large-scale structure, Gravitation and Cosmology.

Department of Chemistry, Sambalpur
Condensed matter physics, Biophysics, & other systems.

Department of Physics, Visva-Bharati
Molecular physics; Non-equilibrium and complex networks, Experimental & theoretical high energy physics, Nuclear & Atomic physics, Theoretical physics.

The Institute of Mathematical Sciences, Chennai
Theoretical Physics, Theoretical Computer science & Computational Biology.

Indian Institute of Astrophysics, Bengaluru
Condensed matter physics, Nuclear and High energy physics & Accelerator based research.

Centre, IIT Bombay
Experimental and theoretical condensed matter physics, computational materials science, High energy physics, Nuclear & Atomic physics, Theoretical physics.

Indian Institute of Astrophysics, Bangalore

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Application Fee: Rs. 800/- (Rs. 400/- for Female and SC/ST candidates).

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