

JOINT ENTRANCE SCREENING TEST -2018

For Ph. D. Programmes in

Physics/Theoretical Computer Science/Computational Biology /Neuroscience









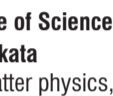


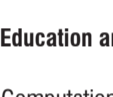
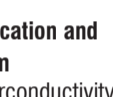



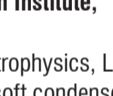
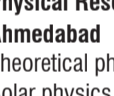
Sunday, February 18, 2018, from 10.00 a.m. to 1.00 p.m.











Test Centres

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

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 <p>Aryabhata Research Institute of Observational Sciences, Nainital Astronomy and Astrophysics, Atmospheric Physics.</p>	 <p>Bose Institute, Kolkata Atmospheric Sciences, Biophysics, Complex systems and networks, Condensed matter physics and materials science, High energy Physics and Astroparticle physics, Quantum physics and Quantum information, Nuclear and radiation physics.</p>	 <p>Indian Institute of Astrophysics, Bengaluru Astronomy & Astrophysics, Astronomical Instrumentation, Atomic physics.</p>	 <p>International Centre for Theoretical Sciences, TIFR, Bengaluru Astrophysical Relativity, Data Assimilation & Dynamical Systems, Statistical Physics & Turbulence, String Theory.</p>	 <p>Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune Physics, Astronomy & Astrophysics.</p>
 <p>Indian Institute of Science, Bengaluru Condensed matter physics (Experiments & Theory), Astronomy & Astrophysics (Theory), Atomic & Molecular physics (Experimental), Bio-crystallography & Bio-informatics, & High energy physics [Theory].</p>	 <p>Indian Institute of Science Education and Research, Bhopal Condensed matter physics (Theory and Experiment) Soft matter physics (Theory), Biophysics, Laser plasma interactions, Ultrafast physics (Experiments), Astrophysics and Cosmology, High energy physics (Theory, phenomenology, experiment), Nonlinear optics, Atomic & Molecular physics (Theory & experiment).</p>	 <p>Indian Institute of Science Education and Research, Kolkata Condensed matter physics, Field Theory, Classical & Quantum Gravity, Cosmology, Solar Science, High Energy Physics, Nonlinear Dynamics, Statistical Physics, Soft Matter, Optics & Spectroscopy, Atomic physics, Biophotonics, Spintronics, Nanoscience, NMR, Quantum Information, Biological Physics and Complex Systems.</p>	 <p>Indian Institute of Science Education and Research, Mohali Quantum Information (Experiment and Theory), Complex systems & Networks, Theoretical Astrophysics & Cosmology, String Theory, Statistical physics, Quantum thermodynamics, Condensed Matter (Theory and Experiment), NMR-Methodology, Ultra-fast Physics, low temperature physics.</p>	 <p>Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru Experimental & Theoretical condensed matter physics, Biophysics, Advanced electron microscopy, Statistical mechanics, Materials science & Soft condensed matter.</p>
 <p>Indian Institute of Science Education and Research, Pune Condensed matter physics, Computational material science, Nanotechnology Atomic Physics & Quantum Optics, Nonlinear dynamics. Astrophysics, Particle physics and Field theory, Solar & Plasma physics, Quantum information processing, Soft matter.</p>	 <p>Indian Institute of Science Education and Research, Thiruvananthapuram Experimental; Magnetism, Superconductivity, Nanoscience, Photonics, Semiconductor Physics, Surface sciences, Nanoscale plasmonics, Ultrafast spectroscopy, Nonlinear optics; Theory: Cosmology, Gravitational waves, Quantum information, Statistical physics, Condensed matter, String theory & Nonlinear dynamics.</p>	 <p>Indian Institute of Space Science and Technology, Thiruvananthapuram Astronomy & Astrophysics, Atmospheric sciences, Applied & Adaptive optics, Atomic and Molecular physics, Condensed matter physics, Nanotechnology, Nonlinear dynamics, Photonics, Quantum information and Statistical Physics.</p>	 <p>Physical Research Laboratory, Ahmedabad Theoretical physics, Astronomy & Astrophysics, Solar physics. Space & Atmospheric sciences, Planetary science, Geophysics, Atomic & molecular physics & Optical physics.</p>	 <p>National Brain Research Centre, Gurgaon Neurosciences: Systems, Computational, cognitive and molecular neurocomputing, neuroinformatics and neuroimaging.</p>
 <p>S.N. Bose National Centre for Basic Sciences, Kolkata Astrophysics and Cosmology. Chemical and Biological physics, Condensed matter physics & material science, High energy physics and Quantum field theory, Mathematical physics. Nanosciences, Quantum optics & quantum information, Statistical physics, Complex system.</p>	 <p>TIFR Centre for Interdisciplinary Hyderabad Condensed matter physics & materials science of nonequilibrium, Soft & living matter, Fluid dynamics, Intense laser-matter interactions, Computational physics, Statistical physics, NMR of Biophysical & other systems.</p>	 <p>Tata Institute of Fundamental Research, Mumbai Astronomy & Astrophysics, Condensed matter physics & material science, High energy physics, Nuclear & Atomic physics, Theoretical physics.</p>	 <p>UGC-DAE Consortium for Scientific Research, Indore Thin films, X-ray, Optical & Electron spectroscopies, Electrical, magnetic & thermal properties at low temperature & high magnetic fields, Neutron diffraction, Positron annihilation, Mossbauer & γ ray spectroscopies, Experimental nuclear physics.</p>	 <p>Raman Research Institute, Bengaluru Astronomy & Astrophysics, Light and matter physics, soft condensed matter physics (liquid crystals, physics in biology) and Theoretical physics.</p>

 <p>Constituent Institutes of Homi Bhabha National Institute, Mumbai A Deemed University.</p>	 <p>Harish-Chandra Research Institute, Allahabad Theoretical physics & Astrophysics.</p>	 <p>Indira Gandhi Centre for Atomic Research, Kalpakkam Solid state phase transformations, Superconductivity, Structure & dynamics of soft condensed matter, Computational materials science, Accelerator-based irradiation induced phenomena, Low dimensional systems, Physics of interfaces, Nano-materials, Thin films technology & Theoretical physics.</p>	 <p>The Institute of Mathematical Sciences, Chennai Theoretical Physics, Theoretical Computer Science & Computational Biology.</p>	 <p>Institute of Physics, Bhubaneswar Physics (Condensed matter, Nuclear and High energy physics) & Accelerator-based research.</p>	 <p>Institute for Plasma Research, Gandhinagar Theoretical & Experimental Plasma Physics, Fusion related Physics & Industrial Plasma Physics.</p>
	 <p>National Institute of Science Education and Research, Bhubaneswar String theory, Lattice QCD, Experimental high energy physics, Soft condensed matter physics, Electronic structure, Statistical mechanics, Superconductivity & Magnetism, Nano-science, Non-linear Optics, Ultracold Atoms, Quantum optics & quantum information.</p>	 <p>Raja Ramanna Centre for Advanced Technology, Indore Lasers & their Applications, Laser plasma interaction, Cold atom physics, Condensed matter physics, Super conductivity & magnetism, Crystals & Thin Films, Nanomaterials & Applications, Non-linear & Ultrafast Optical studies, Beam physics and Free electron laser.</p>	 <p>Saha Institute of Nuclear Physics, Kolkata Condensed matter physics (Theory and Experiment), Nuclear physics (Theory & Experiment), High energy physics (Theory & Experiment), Relativistic heavy ion collisions & QCD phase transition (Theory & Experiment), Astroparticle physics, Cosmology, Quantum gravity, String theory, Mathematical physics, Surface science & Plasma physics.</p>	 <p>Variable Energy Cyclotron Centre, Kolkata Accelerator physics, Condensed matter physics & materials science, Nuclear physics (Experiment and Theory), Relativistic heavy ion collisions & QCD Phase transition (Experiment and Theory) and Physics of neutrinos (Experiment).</p>	

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 institutions for further details. Students in the final year of these courses are also eligible to appear for JEST 2018.

Application through email or by post will not be accepted.

Application Fee: Rs.300/- (Rs.150/- for SC/ST).

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