

**VISVA-BHARATI
SIKSHA-BHAVANA
(Institute of Science)**



**NOTIFICATION FOR CONDITIONAL REGISTRATION IN THE PH.D. PROGRAMME
UNDER SIKSHA-BHAVANA FOR THE SESSION 2010-2011**

Applications are invited in plain paper along with the attested copies of documents stating Candidate's Name, Father's/Guardian's/Husband's Name, Address, Telephone Number, E-mail ID, Date of Birth, Gender, Marital Status, Category, Educational Qualifications, Employment status, if any. Area(s) of interest and Research Experience, if any. Attested photo of the candidate is to be pasted on the application. Application must reach the respective Office of the Head of the Department/In-Charge of the Centre, Siksha-Bhavana within **March 11 (Friday), 2011**.

Eligibility for Conditional Registration in the Ph.D. Programme:

1. An applicant for registration in a Ph.D. programme must have obtained a Master's Degree with a minimum of 55% marks or B+ grade in the concerned or an allied subject preceded by a Bachelor's Degree or an equivalent Degree from a recognized University/Institute. Due relaxation shall be given to the applicants belonging to the reserved categories as per the rules of the Government of India.
2. In addition to the above, an applicant must also fulfill any one of the following conditions:
 - (i) Qualified in any of the following examinations: NET (conducted by UGC/CSIR), SLET, GATE, or equivalent national level examinations conducted by ICAR/ICMR/NBHM etc.
 - (ii) Holder of UGC teacher fellowship.
 - (iii) Have obtained an M. Phil. degree of Visva-Bharati.
 - (iv) Have obtained an M. Phil. Degree of any other University which is recognized by the UGC, in accordance with the "UGC (Minimum Standards and Procedure for Awards of M. Phil./Ph.D. Degree), Regulation, 2009" in the concerned or an allied field of study.
 - (v) Qualified in the Visva-Bharati Research Entrance Test (VBRET), 2010-2011.

**Ref.No.SB-109/RET/2010-2011
Dated: 17th February, 2011**

**Adhyaksha
Siksha-Bhavana
Visva-Bharati**

Department of Chemistry

<i>Sl. No.</i>	<i>Name of the Faculty Members</i>	<i>No. of Ph D Students at present</i>	<i>No. of vacancy to be filled through RET December, 2010</i>	<i>Field of Research/ Specialization</i>
1.	Prof. U.S. Roy	01	01	Analytical Chemistry Chromatography
2.	Prof. I.N. Basumallick	04	02	Electro Chemistry & Nano Materials
3.	Dr. B. Mondal	02	02	Analytical Chemistry
4.	Dr. S.K. Chandra	01	04	Magnetic and Structural properties of Transition Metal Compounds
5.	Dr. P. Chowdhury	05	02	Polymer and Analytical Chemistry
6.	Dr. B.K. Dolui	02	01	Solution Chemistry
7.	DR. N.A. Begum	04	02	Natural Products and Material Science
8.	Dr. A. Hajra	06	02	Organic Synthesis

Total Intake=16: Category wise break-up [General=08, OBC=05, SC=02, ST=01]

Department of Mathematics

<i>Sl. No.</i>	<i>Name of the Faculty Member</i>	<i>No. of Ph D Students at Present</i>	<i>No. of Ph D Students to be taken in 2010-2011</i>	<i>Field of Research/ Specialization</i>
1.	Prof. S K Samanta	03	03	Fuzzy Mathematics
2.	Prof. Dulal Pal	04	03	Fluid Dynamics & Atmospheric Sc
3.	Prof. Santabrata Chakravarty	05	01	Biomechanics & Mathematical Biology
4.	Prof. Swapan Raha	05	01	Fuzzy Logic & Approximate Reasoning
5.	Dr Prasanta Chatterjee	05	02	Plasma Dynamics & Biomathematics
6.	Dr Prashanta Kumar Mandal	04	02	Mathematical Biology
7.	Dr Madan Mohan Panja	Nil	01	Universal Format of Nonlinear Ordinary Diff. Eq. & Wavelet Numerical Analysis
8.	Dr Tarapada Bag	03	01	Fuzzy Functional Analysis
9.	Dr Dibyendu Banerjee	01	01	Complex Analysis
10.	Dr Tapas Ray Mahapatra	04	03	Fluid Dynamics
11.	Sri Anjan Kumar Bhuniya	04	01	Theory & Applications of Semigroups and Semirings
12.	Dr Subhasis Ray	04	01	Real Function Theory
13.	Dr Amar Prasad Misra*	02	01	Plasma Dynamics
14.	Sri Kalyan Hansda*	Nil	Nil	-
15.	Sri Lakshmi Narayan Guin*	Nil	Nil	-
16.	Prof. Puspajit Mandal	Nil	01	Quantum Scattering Theory

Note: *Dr Amar Prasad Misra (Lecturer) is on Study Leave.

*Sri Kalyan Hansda (Lecturer) – NET qualified. *Sri Lakshmi Narayan Guin (Lecturer) – NET qualified.

Total Intake=22: Category wise break-up [General=11, OBC=06, SC=03, ST=02]

Centre for Mathematics Education

<i>Sl. No</i>	<i>Name of the faculty member who will act as supervisor</i>	<i>No. of Ph.D Students supervising at present</i>	<i>No. of students (Ph.D) to be taken in 2010-2011</i>	<i>Field of research/ Specialization</i>
1	Prof. S.K. Samanta	02	01	Mathematics Education

Total=01

**Integrated Science Education & Research Centre
(ISERC)**

<i>Sl. No.</i>	<i>Name of the Faculty Member</i>	<i>No. of Ph D Students at Present</i>	<i>No. of Ph D Students to be taken in 2010-2011</i>	<i>Field of work/ Specialization</i>
1.	Dr Subrata Sinha	Nil	03	Spectroscopy
2.	Dr Susanta Ghosh	03	02	Electrochemistry
3.	Dr Mahasweta Nandi	Nil	Nil	Material Science
4.	Dr Umesh Kumar Singh	Nil	03	Environmental Science, Water Pollution
5.	Dr Swapan Kumar Pandit	03	02	Computational Fluid Dynamics
6.	Sri Nilanjan Bandyopadhyay	Nil	Nil	Particle Physics

Total Intake=10: Category wise break-up [General=05, OBC=03, SC=01, ST=01]

Department of Physics

<i>Sl. No.</i>	<i>Name of the Supervisor</i>	<i>No. of students presently working</i>	<i>No. of student to be taken</i>	<i>Field of work/Specialization</i>
1.	Prof. T.P. Chattopadhyay	01	02	Optical Communication
2.	Prof. Somenath Chakrabarty	02	01	Astrophysics
3.	Dr. M. Maity	01	03	Particle Physics
4.	Dr. S. Mandal	01	01	Quantum Information Theory
5.	Dr.(Mrs.) A. Sengupta	04	01	Experimental Condensed Matter Physics
6.	Dr. T.K. Kundu	02	01	Experimental Condensed Matter Physics
7.	Dr. A. Bhattacharjee	04	01	Experimental Condensed Matter Physics
8.	Dr. P.K. Ghosh	Nil	02	Particle Physics, Mathematical Physics
9.	Dr. B.C. Gupta	03	02	Computational Condensed Matter Physics
10.	Dr. S.K. Mandal	02	03	Condensed Matter Physics
11.	Dr. B. Mukherjee	Nil	02	Experimental Nuclear Physics
12.	Dr. A. Bandyopadhyay	Nil	02	Atomic and Molecular Spectroscopy, Laser Physics
13.	Dr. B. Roy Choudhury	Nil	02	Gravitational Physics

Total Intake=23: Category wise break-up [General=12, OBC=06, SC=03, ST=02]

Department of Statistics

<i>Sl. No.</i>	<i>Name of the Faculty Member</i>	<i>No. of Ph.D. Students at present</i>	<i>No. of Ph.D. Students to be taken during 2010-2011</i>	<i>Field of Research/ Specialization</i>
1	Prof. K. Chatterjee	Nil	02	Design of Experiment
2	Dr. S. S. Maiti	02	02	Reliability Theory
3	Dr. A. Sarkar	Nil	01	Design of Experiment

Total Intake=05: Category wise break-up [General=03,OBC=01,SC/ST=01]

Department of Computer & System Sciences

<i>Sl. No</i>	<i>Name of the faculty member who will act as supervisor</i>	<i>No. of Ph.D Students supervising at present</i>	<i>No. of students (Ph.D) to be taken in 2010-2011</i>	<i>Field of research/ Specialization</i>
1	Prof. Alak K. Datta	01	03	Approximation Algorithms, Graph Algorithms
2.	Dr. Utpal Roy	03	04	MANET, VANET, Digital Library Preservation

Total Intake=07: Category wise break-up [General=04, OBC=02, SC/ST=01]

Centre for Environmental Studies (CES)

<i>Sl. No</i>	<i>Name of the faculty member who will act as supervisor</i>	<i>No. of Ph.D Students supervising at present</i>	<i>No. of students (Ph.D) to be taken in 2010-2011</i>	<i>Field of research/ Specialization</i>
1	Dr. S. Balachandran	02	02	Ethnobotany/Medicinal plants & Phytochemistry
2	Dr. P.K.Patra	02	02	Environmental Geology
3	Dr. P.K.Padhy	05	02	Air pollution & Plants, Environmental Pollution and health
4	Prof. S. Chaudhury	03	02	Bioremediation, Environmental Toxicology

Total Intake=08: Category wise break-up [General=04, OBC=02, SC=01, ST=01]

Department of Zoology

<i>Sl. No</i>	<i>Name of the faculty member who will act as supervisor</i>	<i>No. of Ph.D Students supervising at present</i>	<i>No. of students (Ph.D) to be taken in 2010-2011</i>	<i>Field of research/ Specialization</i>
1	Prof. Shelley Bhattacharya	05	02	Environmental Toxicology
2.	Prof. Arun Kumar Ray	02	02	Fish Biology
3.	Prof. V.C. Joy	02	02	Ecology & Soil Zoology
4.	Prof. Panchanan Nath	02	02	Fish Reproductive Physiology
5.	Prof. Saumen Kumar Maitra	03	02	Environmental Endocrinology
6.	Prof. Parimalendu Halder	03	02	Entomology
7.	Prof. Santi Prasad Sinhababu	05	02	Parasitology
8.	Prof. Santanu Ray	04	Nil	Ecological Modelling
9.	Dr. Dipak Kumar Mandal	03	02	Fish Biology
10.	Dr. Anshuman Chattopadhyay	03	04	Genetics
11.	Dr. Larisha Lyndem	01	01	Parasitology
12.	Dr. Samar Kumar Saha	02	02	Fish Biology
13.	Dr. Sudipta Maitra	04	04	Endocrinology of Fish Reproduction
14.	Dr. Surjya Saikia	00	02	Aquatic Ecology

Total Intake=29: Category wise break-up [General=15, OBC=08, SC=04, ST=02]

Centre for Biotechnology

<i>Sl. No</i>	<i>Name of the faculty member who will act as supervisor</i>	<i>No. of Ph.D Students supervising at present</i>	<i>No. of students (Ph.D) to be taken in 2010-2011</i>	<i>Field of research/ Specialization</i>
1	Prof. S.P. Adhikary	02 (enrolled at Utkal University, the previous work place)	06	Microbial Technology
2.	Dr. Amit Roy	05	03	Recombinant DNA Technology
3.	Dr. Nilanjana Das	Nil	04	Biotic and abiotic stress response
4.	Dr. Jolly Basak	Nil	06	Plant-Microbe Interaction
5.	Dr. Narottam Dey	Nil	07	Biotic and abiotic stress response

Total=26: Category wise break-up [General=13, OBC=7, SC=4, ST=2]

Department of Botany

<i>Sl. No</i>	<i>Name of the faculty member who will act as supervisor</i>	<i>No. of Ph.D Students supervising at present</i>	<i>No. of students (Ph.D) to be taken in 2010-2011</i>	<i>Field of research/ Specialization</i>
1	Prof. S. Mandal	05	02	Plant Biosystematics, Palynology, Aerobiology, Pollination Biology & Medicinal Plants
2.	Prof. S.K. Sen	06	02	Microbiology
3.	Prof. S. Ray	04	01	Phycology
4.	Prof. K. Bhattacharya	01	03	Biodiversity & Pollen allergy
5.	Prof. N. Banerjee	04	02	Cytogenetics & Plant Biotechnology
6.	Prof. R.K. Kar	03	02	Plant Physiology & Biochemistry
7.	Prof. N.C. Mandal	04	04	Microbiology & Mycopathology
8.	Dr. Subrata Mondal	03	03	Taxonomy, Pollination Biology & Palynology
9.	Dr. S.R. Biswas	04	Nil	Molecular Biology (Food oriented)
10.	Dr. C.H. Rahaman	05	02	Pharmacognosy, Anatomy, Ethnobotany & Medicinal Plants
11.	Dr. Soma Sukul	01	01	Pteridology
12.	Dr. A. Lokho	Nil	01	Taxonomy & Ethnobotany
13.	Dr. J. Rath	02	02	Phycology
14.	Dr. H. Gupta Joshi	Nil	01	Ecology

Total Intake=26: Category wise break-up [General=13, OBC=07, SC=04, ST=02]