TEZPUR UNIVERSITY
(A Central University established by an Act of Parliament)
TEZPUR – 784 028

No. F.11-3/4/2003 (Acad)   Dated 11.11.2019

ADMISSION NOTICE
Ph.D. (Spring Semester) Programme- 2020

Online applications are invited from eligible candidates having valid UGC-NET/JRF, UGC-CSIR NET/JRF, DBT-JRF, ICAR-NET, ICMR-JRF and GATE for admission into the Ph.D. programme (Spring Semester – 2020) in the following departments:

Business Administration, Civil Engineering, Chemical Sciences**,** Computer Science & Engineering, Cultural Studies, Electronics & Communication Engineering**,** Energy, Environmental Science, English and Foreign Languages, Mathematical Sciences, Molecular Biology & Biotechnology, Physics and Sociology.

Please click for "**Pre-Requisites and area of research**" and "**Fee Structure**"**.**

Selection will be made on the basis of performance in the Personal Interview to be conducted by the concerned Department. Reservation of seats and relaxation of marks will be as per Govt. of India rules.

How to apply: Candidates are required to apply online through the link **www.tezuadmissions.com** by paying application fee of Rs.800/- only (Rs.400/- for SC, ST and PWD category). Payment of application fee is to be made online through Debit card / Credit card or NET-banking. Candidates should read and follow the instructions available on website carefully while filing up the online application form.

Important dates:
- Date of display of online application form on the website: 11 November,2019
- Last date of submission of online applications: 27 November, 2019
- Date of Personal Interview in the concerned department: 18 December, 2019

Dr. L. Boral
Controller of Examinations
Tezpur University

Pre-Requisite, area of research and intake for admission in to various disciplines of Ph. D. programmes (Spring Semester 2020)

A. UGC eligibility criteria in the Prospectus may be referred to.

B. **Pre-requisites and area of research**:

Sl.No	Department	Pre-requisite	Area of Research
1	Business Administration	M.B.A. , M.Com. , M.A. / M.Sc. in Economics, M.A. in Psychology/ Sociology/Social Work/ Cultural Studies, MCA , M.T.M. / M.T.A. FCA/ FCS/ FICWA.	Services Marketing/Tourism Marketing, Financial Management, Financial Markets and Development Finance, Tourism, Marketing, Change Management and Human Resource Management, Organization Behavior, Business Optimization, Operations, Quality, Operation in Tourism, Rural Development, Entrepreneurship Development, Tourism, Finance, Agri Business, Rural Development, Micro Finance, Capital Market, IPR, Supply Chain Management, Community Based Tourism
2	Civil Engineering	(a) M.E./M.Tech. /M.Sc.(Engg.) in Civil Engg. or allied areas or (b) M.Sc. in relevant discipline with minimum 70% marks in aggregate or equivalent CGPA or (c) B.E. / B.Tech with 75% marks in aggregate or equivalent CGPA with a valid GATE Score. Minimum two recommendation Letters from the Institute/University from where B.E./B.Tech degree was obtained.	Geotechnical Engineering/ Environmental Engineering
3	Chemical Sciences	M.Sc. in all branches of Chemical Science/ Physics/Nanoscience/ Material Science/ Biotechnology/ Biochemistry/ Bioinformatics/ Environmental Science. M.E./M.Tech. in allied subjects (Chemical Engineering/ Polymer Technology/ Material Sciences/ Environmental Engineering etc.).	Gel Polymer, Inorganic Chemistry, Polymer Chemistry, Water Purification, Nanomaterials and Nanocomposite, Catalysis, Theoretical Chemistry, Organic Synthesis, Computational Inorganic/Organometallic Chemistry, Organic Synthesis, Chemical Sensor & Biosensor, Electro catalysis, Molecular Magnetism, Crystal Engineering (Organic).

4	Computer Science & Engineering	M.Tech. in Computer Science/ I.T./ Electronics MCA M.Sc. in Computer Science/ I.T. B.E. / B.Tech with 75% marks in aggregate or equivalent CGPA with a valid GATE Score. Minimum two recommendation Letters from the Institute/ University from where B.E./B.Tech degree was obtained.	Software Define Network/ Natural Language Processing, Speech Processing/ Wireless Networks, Cognitive Radio Networks / Data Mining, Image Processing/ Data Mining/ Algorithms/ Bioinformatics/ Resource Allocation in CRN/ Blockchain, Network Security/ Software-Defined Networking / Trust & Reputation, Machine Learning.
5	Cultural Studies	M.A. in any of the disciplines in Humanities or Social Sciences with a uniformly good academic career. Candidates with UGC JRF, UGC NET or NE SET will be given preference.	Cultural Anthropology Media & Culture Folklore, Cultural History Heritage Studies
6	Electronics & communication Technology	M.E. / M.Tech. / M.Sc. Engg. / M.S. in Electronics/ Communication/ Electronics Design/ Electrical/ Instrumentation/ Control/ Microwave/ Biomedical/ Bioelectronics/ Bio - Technology/ Computer Science/ Information Technology. M.Sc. in Electronics/ Physics/ Applied Mathematics. MCA with Physics, Chemistry and Mathematics in Bachelor degree, MBBS with MD/ MS degree. B.E. / B.Tech with 75% marks in aggregate or equivalent CGPA with a valid GATE Score. Minimum two recommendation Letters from the Institute/ University from where B.E./ B.Tech degree was obtained.	Bioelectronics/ Nanoelectronics/ FET based Biosensors/ Robotics, Biomedical signal Processing.
7	Energy	M.Sc. / M.E. / M.Tech. degree in Energy Technology/ Energy Management/Energy related Engineering and Technology/ Physics/ Chemistry/Agriculture Allied subjects.	Renewable Energy and Energy Management/ Biomass and Bioenergy Biofuels, Energy environment interaction/ Biomass Gasification, climate Responsive Buildings, Decentralized

			Energy options, energy conservation/ Energy Conservation and Management , Hybrid Energy System, Instrumentation & Control/ Fuel cell, Hydrogen Technology and Redox Flow Battery, Graphene Nano catalyst/ Thermal Engineering, Solar Thermal Energy Heat Transfer.
8	Environmental Science	Masters in any Science/ Applied Science / Engineering discipline with at least 55% marks or equivalent CGPA. At Bachelor's level the candidate must have attended Science / Technology programme.	Atmospheric chemistry, chemistry of Aerosol, some apportionment studies, PAHs River morphology and landforms, riverine hazards; Climate studies (Urban climate, Urban Heat Island); Coupling study between hydro-geomorphic processes and ecology, geomorphic response to climate change; Socio-environmental issues (Vulnerability and Risk Assessment) Application of Remote Sensing and GIS techniques to atmospheric, hydro-geomorphic studies and socio-environmental issues. Ecology, Ecosystem dynamics, Biodiversity conservation Vermiculture, Plant Nutrition & Soil Fertility Management Atmospheric Processes; Air and Noise pollution monitoring and modelling; Environmental System modelling; Urban Climate. Geochemistry Ecosystem functions (hydrochemistry and geochemistry), wetland productivity, nanotechnology in environmental research, pollution indexing, geo statistics Pollution biology and health; Plant-insect interactions; Role of plant extracts in controlling insect pests Environmental pollution -air, water and soil; Human-environment interactions
9	English and Foreign Languages	M.A. in English (specialization may be in Literature, English Language Teaching or Linguistics), M.A. in Linguistics .	English Language Teaching

10	Mathematical Sciences	M.A. / M.Sc. in Mathematics or M.A./M.Sc. in Statistics with requisite background in Mathematics.	Functional Analysis & Operator Theory/ Graphs & Matrices/ Non parametric density, distribution function estimate, empirical research in finance/ Differential Equations/ Coding Theory.
11	Physics	M.Sc. in Physics/ Electronics/ Geophysics/ Material Science/ Applied Mathematics/ Nanoscience and Technology/ Biotechnology/ Environmental Science and Chemical Science. M.Phil., M.Tech. in Solid State Material/ Material Science/ Electronics/Energy/ Nanoscience and Technology/ Biotechnology/ Environmental Science and Chemical Sciences. B.Tech. in Engineering Physics with 80% marks in aggregate or equivalent CGPA.	Theoretical High Energy Physics, Mathematical physics/ Optoelectronics & Photonics/ Nonlinear dynamics of time series analysis/ Physics of nanomaterials, surface and interfaces/ Astroplasma physics/ Astroparticle physics/ CMP and Nanotech Microwave absorbers & antennas/ Neutrino physics & cosmology/ Material Science/ Applied optics.
12	Sociology	Post Graduation in Sociology / Cultural Studies/ Anthropology (with specialization in Social Anthropology) / Economics / History / Political Science / Philosophy / Mass Communication / English / Law / Management/ Social Work.	Social Movements/ Outmigration, Urbanization, Development/ Tribal Studies, Development/ Development, Governance/ Sociology Education, Gender Studies/ Sociology of body, Gender, Sexuality and Masculinity/ Sociology of religion, Identity Politics of North East India/ Land and Livelihood.
13	Molecular Biology and Biotechnology	Masters in any branches of Life Sciences/ Physical Sciences/ Chemical Sciences/ Mathematical Sciences/ Agricultural Sciences / Veterinary or Sciences / Engineering Sciences /Medical Sciences or in any allied field. B. Tech./ B. E. degree with 80% marks in CGPA (with	Gene transfer, Metagenomics/ Phytoremediation, MEOR, Anti diabetic formulation Disease Biology , Synthetic Biology/ Structural Bioinformatics/ Neurodepenerctive Diseases/ Plant Secondary Metabolites Systems Biology , Cancer Genomics, Bioinformatics

		GATE score > 90.00 percentile) in Chemical Engineering/ Chemical Sciences/ Bioinformatics or any allied field. MBBS or BVSc. degree with at least 60% marks or equivalent CGPA. Apart from the above, candidates having consistently good academic record will be preferred.	

Sd/- Controller of Examinations

FEE STRUCTURE FOR Ph.D. STUDENTS TO BE ADMITTED IN SPRING SEMESTER, 2020

Particular Fee	Mode	Full Time (Hosteller)	Full Time: (Non-hosteller)	Part Time	TU Employee
Admission	Once on admission	500	500	500	500
Registration	Once on admission	150	150	150	150
Identity card	Once on admission	50	50	50	50
Convocation	Once on admission	500	500	500	500
Provisional certificate	Once on admission	100	100	100	100
Alumni Association	Once on admission	500	500	500	500
Caution deposit (Library and Laboratory)	Once on admission	2000	2000	2000	2000
Hostel Caution deposit	Once on admission	3000	-	-	-
Hostel Mess Advance	Once on admission (in case of Hostel boarder)	1500	-	-	-
* Hostel admission/re-admission (Single seater for Ph.D. students)	Per semester (in case of Hostel boarder)	3000	-	-	-
Tuition	Per semester	1500	1500	2000	2000
Library	Per semester	350	350	350	
Students' activity	Per semester	500	500	500	500
Medical	Per Semester	250	250	250	
Transport	Per semester	1000	1000	1000	
Laboratory (including computer usage)	Per semester	1000	1000	1000	1000
Research Fee	Per semester	3000	3000	4000	4000
Infrastructure and amenity	Per semester	1000	1000	1000	1000
Fan, Electricity and Water charge	Per semester	300	300	300	300
Students' Welfare Fund	Per semester	150	150	150	150
Development Fund	Per semester	1500	1500	1500	1500
**Consumable Charge*	*Per semester*	2000	2000	2000	2000
Menial Charge	Per Semester	1500	-	-	-
*** Health Insurance*	*Per semester*	143	143	-	-
Total fee to be paid by the students of the Dept. of Chemical Sc./MBBT//FET/ Environmental Sc. at the time of admission		**25493**	**16493**	**17850**	**16250**
Total fee to be paid by the students of other departments at the time of admission.		**23493**	**14493**	**15850**	**14250**

*   *SC/ ST candidates are exempted from the paying the hostel seat rent of Rs. 675/-.*
** *Consumable Charge is to be paid by the Ph.D. students admitted in the Dept. of Chemical Science/MBBT//FET/ Environmental Science.*
*** *Students above 30 years of age are not covered in this scheme.*

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