



PRESIDENCY UNIVERSITY

Kolkata

Admission Notification for Ph.D. Programme

Session 2021-2022 (July 2021 cycle)

Ref.No.: PU/FC/155/PhD/notice/2021

Date: 09/08/2021

Online Applications are invited from UGC or UGC – CSIR NET / NET – LS or DBT-BET (only for Biotechnology) qualified candidates for admission to the Ph.D. Programme of Presidency University in various departments for the session 2021-2022 commencing from July 2021. Only completed online application will be considered. There is no application fee.

Essential qualification:

a) Candidates for admission to the Ph.D. program shall have a Master's degree with at least 55% of marks in aggregate or its equivalent grade.

A relaxation of 5% of marks or an equivalent relaxation of grade may be allowed for those belonging to SC/ST/OBC-A/OBC-B/ Person with Disability (PwD) as per UGC guidelines.

b) UGC or UGC-CSIR NET/NET-LS qualified. DBT-BET qualified candidates are eligible to apply for Biotechnology only.

Important Dates:

Start date for applying online

:9th August, 2021

Last date for applying online

:20th August, 2021(till 5pm)

Interview/test schedule

:Will be communicated through email/ notice

Provisional Seat Matrix:

Department wise and category wise availability of seats are given below. Reservation of seats for Person with Disability (PwD) will be as per Department of Higher Education (University branch), Government of West Bengal order no 1084(20)-Edn(U)/EH/1U-89/13 dated 7th December, 2018. PwD seats are included in the total number of seats in respective departments.

Sl. No.	Department/ School	Category wise available seats				
		UR	SC	ST	OBC-A	OBC-B
1	History	3	3	1	1	2
2	Philosophy	3	1	1	1	0
3	Sociology	0	4	1	1	0
4	Hindi	0	1	2	1	0
5	Political Science	0	0	0	1	1
6	Chemistry	12	6	3	6	3
7	Geology	12	6	2	3	1
8	Physics	20	7	3	2	4
9	Life Sciences	19	7	3	4	3
10	Geography	2	0	0	0	0
11	Economics	10	5	1	1	2
12	Mathematics	5	1	1	1	1
13	Statistics	4	1	0	1	1
14	Biotechnology (Newtown Campus)	1	2	2	2	0

Available Research Areas

Mathematics: Astrophysics (01), Cosmology (01), Cryptology & Combinatorics (02), Differential Equations (01), Geometric Group Theory (01), Mathematical Biology (02), Operations Research (01)

Geography: Physical Geography (UR-1), Political Geography (UR-1)

Biotechnology: Reproductive biology/Molecular endocrinology, Plant Biotechnology, Plant-microbe interaction, Plant Molecular Biology, Tumor Virology, Cancer microbiome, Ciliogenesis

Philosophy: Ethics (Theory and Applied), Consciousness studies, Logic, Indian Epistemology and Cognitive Science

Political Science:

- a) Politics of Urban Development
- b) Visual Politics
- c) Political Anthropology

Chemistry

Organic Chemistry (UR-4, SC-2, ST-1, OBCA-3, OBCB-3)
Inorganic Chemistry (UR-3, SC-1, ST-1, OBCA-2, OBCB-1)
Physical Chemistry (UR-5, SC-3, ST-1, OBCA-1, OBCB-0)

Life Sciences:

- a) Epigenetics in plant stress conditions and host pathogen interaction
- b) Biochemical and biophysical characterization of signaling photoreceptors and their application in optogenetics
- c) Molecular plant-pathogen interactions, Effector biology of rice blast fungus, Rice blast pathogenesis
- d) Fungal metabolites, insect-plant-pathogen interactions, weed ecology and biocontrol, global environmental changes and biodiversity
- e) Plant molecular biology, Cellulose and lignin biology
- f) Neuroimmunology, Neural Cell Biology
- g) Structure and functions of viral proteins
- h) Plant Biotechnology for crop improvement
- i) Microbiology
- j) Molecular microbiology (DNA topology, DNA replication)
- k) Environmental Toxicology and it's Management
- l) Reproductive toxicology, ecotoxicological assessment by using plant/animal model, endocrine disrupting chemical, fish endocrinology
- m) Ecology

Physics

Statistical Physics, Energy Materials, Theoretical Condensed Matter Physics, Materials Science using Energetic Ion Beam, Materials Science, Astrophysics, Gravitation & Cosmology, Astrophysics & Cosmology, Classical & Quantum Polarization Optics, Remote Sensing

Selection Procedure:

All eligible candidates will have to appear at an interview / test (may be in online mode), conducted by the Departmental Ph.D. Selection Committees of the University. In interview, the candidates will be expected to discuss their research interests.

Following the admission procedure, a list of qualified candidates (preferably based on their areas of research interest(s)) will be published and displayed by the University through the official website.

Candidates selected for the Ph.D. Programme will be attached to the respective Department at the time of their provisional admission and will be required to enrol on payment of a non-refundable fee, determined by the University.

Sd/-
Secretary, Faculty Councils, Presidency University