



**PRESIDENCY UNIVERSITY**  
Kolkata  
**Admission Notification for Ph.D. Programme**  
Session 2024-2025 (Even)

Ref.No. PU/FC/ 019 /PhD/notice/2025

Date: 27/ 01/2025

**Online Applications** are invited from UGC or UGC – CSIR NET qualified candidates for admission to the Ph.D. Programme of Presidency University in various departments/school/institute for the session 2024-2025 (Even). Only completed online applications will be considered. Applicants are required to pay Rs 500/- as application fee after submission of online form within stipulated date. No application will be considered without payment of Application Fee.

**A. 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.
- b) A relaxation of 5% of marks or an equivalent relaxation of grade may be allowed for those belonging to SC/ST Person with Disability (PwD) as per UGC guidelines.
- c) UGC or UGC-CSIR NET qualified with valid NET certificate.

**B. Application Procedure and Important Dates:**

**Application form** will be available in <http://14.139.217.88/> . Interested candidates are required to fill up the online application form. Application number will be generated after completion of online application. Use the system generated application number to pay the non-refundable application fee of Rs-500/- (and applicable bank charges) in SBI Collect Portal.

**Send/ drop the Application form along with mark-sheets/grade-cards, certificates and synopsis and copy of the Payment Receipt** to the following address:

To  
The Secretary, Faculty Councils,  
Presidency University,  
86/1, College Street,  
Kolkata-700073

No application will be considered without payment of non-refundable application fee.

**Important Dates**

Start date for applying online	: 28 <sup>th</sup> January, 2025
Start date for online payment	: 28 <sup>th</sup> January, 2025
Last date for applying online	: 9 <sup>th</sup> February, 2025
Last date for online payment	: 9 <sup>th</sup> February, 2025
<b>Last Date for receiving Hardcopy of the application</b>	: 12 <sup>th</sup> February, 2025
Interview/test schedule	: Will be informed by the Department

### C. 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 department/School/Institute.

Sl. NO.	Department/ School/ Institute Name	Category wise available seats matrix				
		UR	SC	ST	EWS	TOTAL
1	Bengali	06	02	00	00	08
2	Political Science	03	02	00	02	07
3	Chemistry	19	14	07	09	49
4	Geology	10	03	02	03	18
5	Physics	20	11	03	06	40
6	Life Sciences	08	04	01	01	14
7	Geography	00	00	01	01	02
8	Mathematics	12	06	01	03	22
9	Statistics	02	02	01	01	06
10	Institute of Health Sciences	07	01	01	01	10
11	Astrophysics	03	01	01	01	06
12	Hindi	01	01	00	00	02

### D. Available Research Areas

Department/ School/ Institute Name	Available Research Areas **
Bengali	<ul style="list-style-type: none"> <li>a) Fiction-01 &amp; open post-01</li> <li>b) Medieval Age- 01</li> <li>c) Fiction- 01, Dram &amp; Theatre- 01</li> <li>d) Dram &amp; Theatre- 02</li> <li>e) Translation Studies-01</li> </ul>
Hindi	Open
Chemistry	<ul style="list-style-type: none"> <li>a) Organic Chemistry</li> <li>b) Inorganic Chemistry</li> <li>c) Physical Chemistry</li> <li>d) Energy Storage</li> <li>e) Environmental Chemistry</li> </ul>

<b>Geology</b>	Open
<b>Statistics</b>	Open
<b>Physics</b>	<ul style="list-style-type: none"> <li>a) Cosmology and Gravitation</li> <li>b) Condensed matter Physics (Experiment)</li> <li>c) Quantum optics Quantum Information</li> <li>d) Nuclear Physics</li> </ul>
<b>Life Sciences</b>	<ul style="list-style-type: none"> <li>a) Molecular Virology-1</li> <li>b) Cancer Proteomics &amp; Genomics-3</li> <li>c) Cardiovascular Biology-1</li> <li>d) Developmental biology-1</li> <li>e) Microbiology-1</li> <li>f) Epigenetic regulation in plant pathogenesis, host pathogen recognition-1</li> <li>g) Transgenic plants-1</li> <li>h) Physiology-1</li> <li>i) Cancer Biology-1</li> <li>j) Insect-Plant-Pathogen Interactions in aquatic ecosystem-1</li> <li>k) Molecular Phytopathology-1</li> <li>l) Molecular Microbiology-2</li> <li>m) Computational Biophysics-1</li> <li>n) Endocrinology-1</li> </ul>
<b>Geography</b>	<ul style="list-style-type: none"> <li>a) Tectonic Geomorphology, River Dynamics and Natural Hazards.</li> <li>b) Fluvial Sediment Dynamics/ Hydro-climatic Extremes</li> </ul>
<b>Mathematics</b>	<ul style="list-style-type: none"> <li>a) Cryptography-1,</li> <li>b) Geometric and Analytic Group Theory-1,</li> <li>c) Inventory and Supply chain management (Computer programming knowledge preferable)-1,</li> <li>d) Theoretical and Observational Cosmology-1,</li> <li>e) General Relativity-2,</li> <li>f) Lie Algebra and Representation Theory-1,</li> <li>g) Qualitative Theory of Ordinary Differential Equations-1,</li> <li>h) Fractal Geometry-2,</li> <li>i) Complex Analysis &amp; Holomorphic Dynamics-2,</li> <li>j) Rings of Continuous Functions-1,</li> <li>k) Nonlinear Dynamics-1.</li> </ul>
<b>Political Science</b>	<ul style="list-style-type: none"> <li>a) Political Philosophy and Political Thinkers (Indian and Western)/ Information and Privacy &amp; Public Policy (1 seat)</li> <li>b) Political Economy of Development/ Public Policy/ Politics in India, Politics of Work, Labour (1 seat)</li> <li>c) Modern Indian Political Thinkers/ Civil Society and Indian Politics (2 seats)</li> <li>d) Migration and Politics of Ethnicity/ North East India/</li> </ul>

	<p>Region and the Domestic in India's External Relations (2 seats)</p> <p>e) Theoretical Debates in International Relations/Contemporary Indian Foreign Policy (1 seat)</p> <p>Urban studies (1 seat)</p> <p>f) Culture and Politics in India/ Intellectual History (India) (1seat)</p>
<p><b>Institute of Health Sciences</b> (Newtown Campus)</p>	<p>a) Innate immune regulation of HPV-induced cervical cancer (1)</p> <p>b) Neurobiology and Epigenetics (1)</p> <p>c) Bacterial biofilm (1)</p> <p>d) Infectious disease and immunology (1)</p> <p>e) RNA Biology &amp; Post transcriptional control (1)</p> <p>f) Cancer Biology &amp; Epigenetics (1)</p> <p>g) Molecular mechanism of therapy resistance in haematological malignancy (1)</p> <p>h) Nanobiotechnology (1)</p> <p>i) Molecular Endocrinology and Cancer Biology (1)</p> <p>j) Innate immunity and cell death (1)</p> <p>k) Synthetic and medicinal chemistry (2)</p> <p>l) Applicants should go through the website of IHS to understand the various research areas offered.</p> <p>m) They are discouraged to apply for multiple fields of specialization.</p>
<p><b>Astrophysics</b></p>	<p>a) Cosmic Microwave Background,</p> <p>b) Large Scale Structure,</p> <p>c) Galaxy Evolution,</p> <p>d) Numerical Simulations,</p> <p>e) Active Galaxies,</p> <p>f) Multiwavelength Astronomy,</p> <p>g) High Energy Astrophysics</p>

**\*\* Note:** Number and/ or Category, mentioned within parenthesis against any research area, represents number of vacancy under the specified category (if any) for the specified research area.

### **E. Reservation of Seats for SC/ST/EWS/PWD**

The reservation policies of West Bengal State Higher Education Institutions (Reservation in Admission) Act, 2013 and West Bengal State Higher Education Institutions (Reservation in Admission) Act, 2014 will be followed for admission in reserved seats for SC/ST/ EWS/PWD along with any extent orders as applicable at the time of admission.

Candidates claiming such seats must submit relevant Certificate issued by the competent Authorities as given below.

The certificate is to be produced during interview, admission etc. If the certificate is then found to be invalid, the candidate will lose the opportunity of admission in reserve category and will be treated as General category.

#### **Reservation of seats for PWD candidates**

- a) According to Section 2(r) of the RPWD Act, 2016, **“persons with benchmark disabilities”** means a **person with not less than forty percent (40%) of a specified disability** where specified disability has not been defined in measurable terms and includes a person with disability where specified disability has been defined in measurable terms, as certified by the certifying authority.
- b) Accordingly, reservation in PWD seats will be available for the following types of disabilities, percentage of disability being not less than 40%.
- i. Locomotor disability as specified in the Schedule of RPWD Act, 2016.
  - ii. Visual impairment as specified in the Schedule of RPWD Act, 2016.
  - iii. Hearing impairment as specified in the Schedule of RPWD Act, 2016.
  - iv. Speech & language disability as specified in the Schedule of RPWD Act, 2016
  - v. Intellectual disabilities as specified in the Schedule of RPWD Act, 2016
  - vi. Mental illness.
  - vii. Disabilities caused due to chronic neurological conditions and blood disorder.
  - viii. Multiple disabilities including deaf blindness.
- c) PWD certificates are to be issued by any of the authorities as given in the Order No. 289-HF/O/PHP/IR-05/2017 dated 29.08.2018 by the Government of West Bengal, Health & Family Welfare Department (PHP Branch).

#### **Competent Authorities for the issuance of SC/ST Certificate for WB domicile candidates claiming under such reserve category of seats**

SC/ST Certificates are to be issued by any of the following authorities:

- (i) Sub-Divisional Officers for all districts except Kolkata  
District Welfare Officer, Kolkata & Ex-Officio Joint Director, B.C.W. Dept. in case of Kolkata Municipal Area [as defined in clause (9) of Section 2 of K.M.C Act, 1980]

#### **Competent Authorities for issuance of EWS Certificate for WB domicile candidates claiming under such reserved category of seats and others.**

As per Office Memorandum No. 325-PAR(AR)/3P-1/2019 dated 09<sup>th</sup> July 2019 issued by the Personnel & Administrative Reforms Department (Administrative Reforms Cell), Govt. of West Bengal read with Memorandum No. 959-BCW/MR-52/2019 dated 18<sup>th</sup> May 2023 issued by Backward Classes Welfare Department, Govt. of West Bengal, EWS Certificates are to be issued by any of the following authorities:

- a) District Magistrate/ Additional District Magistrate
- b) Sub-Divisional Officers
- c) District Welfare Officer, Kolkata and Ex-officio JD, BCW & TD in respect of Kolkata covering the jurisdiction of the Kolkata Municipal Corporation.

N.B. For eligibility and other details, please follow the Memorandums mentioned above.

## **F. Selection Procedure**

All applicants are required to submit a research proposal within 500 words. Applicants may be shortlisted by the department/school/institute based on the research proposals/area of availability of guide in the proposed research areas and other academic criteria. All eligible candidates will have to appear at test and interview / interview, conducted by the Departmental Ph.D. Selection Committees of the University following the UGC guidelines. In interview, the candidates will be expected to discuss their research interests. Following the selection procedure, a list of qualified candidates 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/ School/ Institute at the time of their provisional admission and will be required to enroll on payment of a non-refundable fee, determined by the University.

**Sd/-**

**Secretary, Faculty Councils, Presidency University**