

ADMISSION BROCHURE FOR ACADEMIC SESSION 2019-20

Ph.D. Programme (Pharmaceutical Chemistry)



Guru Gobind Singh Indraprastha University
Sector 16C, Dwarka, Delhi - 110078

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Admission to Ph.D. Programme in Pharmaceutical Chemistry

1. Discipline of Ph.D. Programme

Applications are invited for admission to Ph.D. Programme in Pharmaceutical Chemistry as per Ph.D. Ordinance 2017 available at link: <http://www.ipu.ac.in/norms/phdbom/201717.pdf> in continuation to admission brochure 2019-20.

1. Common minimum eligibility criteria for admission to Ph.D. Programmes:

1.1. Candidates for admission to the Ph.D. programme should have a Master's Degree (M.Sc. in Pharmaceutical Chemistry/Chemistry (with specialization in Organic Chemistry) or M. Pharm. in Pharmaceutical Chemistry/Pharmacology or M.Sc. (Bioinformatics) or M. Tech. (Bioinformatics) or MD/MS in any discipline of clinical/non-clinical Medical Sciences) or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) or an equivalent degree from a foreign educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing accrediting or assuring quality and standards of educational institutions.

1.2. A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, shall be allowed for those belonging to SC/ST/Differently-abled (PWD) categories.

1.3. A person, whose M.Phil. dissertation has been evaluated and the viva voce is pending may be admitted to the Ph.D. programme.

1.4. Candidates possessing a M.Phil. degree or a degree considered equivalent to M.Phil. Degree of an Indian Institution.

1.5. A degree considered equivalent to M.Phil. Degree of an Indian Institution, from a Foreign Educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions, shall be eligible for admission to Ph.D. programme.

Note: The eligibility criteria and procedure for admission as specified in this admission brochure are subject to "changes made in the ordinances, rules and regulations by the University from time to time as per the decision of University and/or statutory bodies governing various programmes".

2. Procedure for Admission to Ph.D. Programmes

2.1. Admission to the Ph.D. programme of studies shall be through an Entrance Test (PET) conducted by the University in the relevant disciplines of study.

2.2. For those students who qualify UGC-NET (including JRF) / UGC-CSIR NET (including JRF) ** / GATE* / DBT-JRF / ICMR-JRF / Teacher fellowship holder or have passed M.Phil. programme, such candidates for admission to Ph.D. programme shall be exempted from the entrance test conducted by the University. However, they shall have to apply for admission to the University.

Such candidates need to submit the relevant documents in support of their claim along with a request for exemption latest by 08.01.2020 at the Centre of Excellence in Pharmaceutical Sciences, GGSIPU. A list of candidates exempted from appearing in PET shall be displayed on University website on 10.01.2020.

* Candidates with valid and qualified GATE score.

** Candidates with valid and qualified NET score and with Junior Research Fellowship.

2.3. Reservation shall be as per the State Reservation Policy, notified by the University from time to time.

2.4. The written entrance test shall be qualifying for admission to Ph. D. programme with 50% of total marks as qualifying cut off for general category. For SC/ST/OBC/PWD category the qualifying cut off shall be 45% of total marks. The syllabus of the written entrance test shall consist of 50% of research methodology and 50% shall be subject specific (25% section A (Basic Science) and 25% section B (Chemistry/Life Sciences/Bioinformatics)).

2.5. An interview / vice-voce shall be organized where the candidates are required to discuss their research interest / area through a presentation before a duly constituted Admission Committee.

2.6. The admission shall be based on the performance / merit of the candidate in the interview/viva-voce. The interview/viva-voce shall consider the following aspects, viz. whether:

- (a) The candidate possesses the basic knowledge and aptitude for the proposed research work;
- (b) The candidate possesses the competence for the proposed research work;
- (c) The proposed plan of research can contribute to new/additional knowledge in the area of research.

For written entrance test qualified candidates, the merit list (out of 100 marks), for admissions will be prepared as per following criteria:

- (i) 50% weightage will be given to the marks obtained in written entrance test;
- (ii) 25% weightage will be given on the above three criteria listed in 2.6 (a), (b) & (c);
- (iii) 25% weightage will be given to interview/Viva-voce.

For candidates, exempted from written entrance test, the merit list will be prepared on the basis of points listed at Sr. No. 2.6 (ii) & (iii) above, scaled up to 100 marks.

* There shall not be any negative marking in the written examination (PET).

2.7. Employed candidates including permanent faculty members of the University Schools or affiliated colleges/institutions, who wish to seek Ph.D. admission as full-time research scholars, must obtain leave for a period of at least three years to fulfil the minimum registration period of the University. Candidates who need proof of selection to obtain leave from their employers may use the selection/admission list displayed on the University website for this purpose, but admission shall only be granted upon submission of the leave sanction letter in original. All employed candidates (full-time/part time), in regular employment must obtain a "No Objection Certificate" for the purpose of pursuing Ph.D. programme, the same must be submitted at the time of interview for admission.

* The University reserves the right to cancel PET. The University also reserves the right not to fill any or all the available / notified Ph.D. slots.

3. Important Instructions:

1. The term “University”, in this admission brochure shall mean the Guru Gobind Singh Indraprastha University.

2. The application forms shall be available in the online mode only from the University Website: <http://www.ipu.ac.in>.

3. The last date of application may be extended for which a common entrance test is to be conducted by the University.

4. It is the responsibility of the candidates to ascertain whether he/she possess the requisite eligibility and qualifications for admission. Applying for a particular PET/CET, appearing for the written examination and qualifying the same does not necessarily mean acceptance of eligibility (as defined earlier). Every applicant for a particular PET/CET must satisfy the eligibility criterion as specified in this brochure (or its amendments / corrections).

5. The applicants are advised that since the form filling as well as admit cards shall be made available through the online mode only; they must keep the details of their login id and the password secure and safe.

6. Applicants should be careful in choosing the PETs/CETs that they apply for, as no change would be permissible after the application has been submitted.

7. The language of the PET/CET shall be English.

8. From the merit of a specific PET/CET Code, admissions are in general made to a specific set of programmes of studies.

9. After the application for any PET/CET is submitted, if there is any mistake in date of birth, spelling mistake in name of applicants or the parents name or in the choice of category/region claimed for the purpose of availing reservation, the applicant must submit an application in physical form (together with applicable processing fees of Rs. 500/-) to:

Reception, Examination Division, Guru Gobind Singh Indraprastha University, Sec 16C, Dwarka, Delhi - 110078.

- This application must be submitted within 5 working days of the last date of form submission together with the applicable fees. After this no request for any correction shall be entertained by the Examinations Division.

10. Application Form has to be filled-in for Ph.D. programme (s) with PET/CET Code.

11. No separate intimation will be sent to the candidates regarding declaration of results and commencement of counselling/interview/admission. Result will be declared on University Website (<http://www.ipu.ac.in>).

Detailed schedule of counselling/interview/admissions will be notified on the University Website (<http://www.ipu.ac.in>).

12. Applicants should retain a printout of the PET/CET application form as proof of application.

13. In all communications regarding submission of application or otherwise related to admissions, the copy of the application form must be submitted as otherwise the communication would be deemed incomplete and no processing would be performed on the communication, without any notice to the applicant.
14. There will be no rounding-off of the percentage of marks of qualifying examination while deciding the basic eligibility of any candidate for admission e.g. if a candidate obtained 49.99% marks in his/her qualifying examination, then it will not be rounded-off to 50%.
15. The candidates are advised to check their status with the help of the login id and password.
16. Write the complete e-mail address and phone number in the form carefully. Please note that this email address and phone number may be used by the University for future communication.
17. The nomenclature of degree to the admitted programme of studies shall be as per the notification of the University Grants Commission for "Specification of Degrees".
18. The University shall not issue any certificate of equivalence to any other programme of study. That is, if a student is awarded a degree by the University and desires a certificate regarding its equivalence to some other degree, then the request of the student for such equivalence certificate shall be summarily rejected.
19. No admitted student pursuing a programme of study from the Guru Gobind Singh Indraprastha University is allowed to pursue any other (2nd or more) degree / diploma programme of study from any University including GGSIPU. If at any stage it is found that an admitted student has registered for more than one programme of study in GGSIPU or any other University, the admission of such a candidate shall be cancelled from all programmes of studies of GGSIPU.
20. All candidates desirous of seeking admission to Ph.D. programme of study in CEPS, shall be bound by the conditions as laid down in this admission brochure; and the rules and regulations as enshrined in the University Act, Statutes, Ordinances, notifications and guidelines issued from time to time.
21. The medium of instruction for all programmes of studies offered in the University shall be English.
22. For any programme of study, if the University or the statutory regulatory body of the programme of study specifies the medical examination of the candidate, then all admitted students must present themselves for medical examination. If the student/candidate fails the medical examination, the admission of the candidate/student shall be cancelled by the University.
23. If it is found at any stage during the entire period of the programme that the candidate has furnished any false or incorrect information in the application form or at the time of counselling/admission, his/her candidature for the programme will be cancelled summarily. In addition, disciplinary action may be taken against him/her as per the University rules.
24. If the University is not satisfied with the character, past behaviour or antecedents of a candidate, it can refuse to admit him/her to any course of study of the University.
25. The Vice Chancellor may cancel the admission of any student for specific reasons and debar him/her for a certain period.
26. Only qualifying the PET/CET shall not, ipso facto, entitle a candidate to get admission to a programme.
27. It will also be the sole responsibility of the candidates themselves to make sure that they are eligible and fulfil all the conditions prescribed for admission.

28. The merit of the PET/CET will be valid only for Ph.D. programme in CEPS for which the candidate has appeared and cannot be utilized for admission to any other programme. Further, the merit of the PET/CET- 2019 shall be valid only for the academic session 2019-20 (Winter Session).

29. RAGGING: Rules in terms of ordinance relating to maintenance of discipline amongst students of the University are as under:

1. Ragging in any form shall be strictly prohibited within the premises of the University, a college or an Institute, as the case may be, or in any part of the University system as well as on public transport, or at any other place, public or private.

2. Any individual or collective act or practice of ragging shall constitute an act of gross indiscipline and shall be dealt with under the provisions of ordinance under reference.

3. Ragging, for the purposes of ordinance under reference, shall ordinarily mean act, conduct or practice by which the dominant power or status of senior students is brought to bear upon the students who are in any way considered junior or inferior by the former and includes individual or collective acts or practices which:

1. Involve physical assault or threat to use physical force.

2. Violate the status, dignity and honour of students, in particular female students and those belonging to a schedule caste or a schedule tribe.

3. Expose students to ridicule or contempt or commit an act which may lower their self-esteem; and

4. Entail verbal abuse, mental or physical torture, aggression, corporal punishment, harassment, trauma, indecent gesture and obscene behaviour.

30. The various terms and conditions mentioned in the Admission Brochure are subject to change made in the ordinances, rules and regulations by the University from time to time as per the decision of University and/or statutory bodies governing various programmes.

31. PET/CET Admit Card: The Admit Card will be available online, on or before 5 days of the date of the PET/CET. The Admit Cards may be downloaded from the candidate's individual account using log-in ID and password from the website which was used for filling up the application form.

32. No candidate will be allowed to enter the Examination Hall without the valid PET/CET Admit Card 2019, issued by the University.

33. Candidates are required to carry two printouts of the admit card at the time of PET/CET. One copy of the admit card must be retained by the candidate after getting it signed by the Invigilator. The second copy should be handed over to the Invigilator for University records. Both the copies shall require that a passport sized photograph of the candidate is pasted on it. Candidates are advised to keep two copies of the photograph uploaded at the time of form filling handy for this purpose for each PET/CET applied for.

34. Candidate must preserve the PET/CET Admit Card till the admission procedure is over as it has to be handed over to the Admission Officer at the time of counselling/admission.

35. Request for issue of duplicate Admit Card will not be entertained after the Common Entrance Test (under any circumstances).

36. No claim of having filled up the Application Form and non-receipt of admit card will be admissible after the PET/CET.

37. Impersonation is a punishable offence. No candidate will be permitted to appear in PET/CET without the Admit Card. The admit card should be presented to the invigilator(s) for verification. The candidate's identity will be verified in respect of his/her details on the admit card/centre verification record. If the identity is doubtful, the candidate may not be allowed to appear in the examination.

The authorities may permit the candidates to appear for the examination after completing the necessary formalities (visible mark of identification) at their discretion. No extra time will be allowed for these formalities to be completed. Police action will be initiated in case of dubious identity.

38. In case of non-receipt of Admit Card the candidate may contact Office of Controller of Examinations (Operations) at GGSIP University, Sector 16C, Dwarka, New Delhi 110078 at least 3 days before the scheduled commencement of respective PET/CET. The application in this regard must be supported by a copy of the printed version of the application form and proof of payment of requisite fee for the PET/CET. Without the submission of these two documents, no applications in regard to non-receipt of admit cards shall be entertained, the application in this regard shall be deemed incomplete and rejected without intimation to the applicant.

39. Instructions for the PET / CET:

1. The Entrance Test shall be based on the topics as specified in the PET/CET syllabus / School wise details section.
2. The candidates are required to report at their respective Examination Centre at least half an hour before the PET/CET along with two copies of their Admit Card issued by the University. No candidate will be allowed to enter the PET/CET Centre after the scheduled commencement of exam.
3. Entry into the examination centre or hall after the scheduled commencement of examinations / test shall be deemed as usage of unfair means. The candidature of such candidates shall be summarily cancelled on the basis of the report of the centre superintendent and / or the University Representative at the examination centre.
4. Each candidate will be given a sealed Test Booklet and OMR answer sheet five minutes before the commencement of the test.
5. The OMR answer sheet is of special type which will be scanned by an optical scanner.
6. Immediately on receipt of the Test Booklet, each candidate shall fill in the required particulars on the cover page of the Test Booklet with a black ballpoint pen only. He/she shall not open the seal of the Test Booklet until asked to do so by the invigilator.
7. Candidates will then write the required particulars on OMR answer sheet with a black ballpoint pen. After this, they will wait for the signal by the invigilator to start marking the responses.
8. The Test will start exactly at the time mentioned on the Admit Card and an announcement to start will be made by the invigilator.
9. While the test is in progress, the invigilator will check the Admit Cards of the candidates to satisfy himself/herself about the identity of each candidate. The invigilator will also put his/her signature in the space provided for the purpose on the OMR answer sheet as well as on the Admit Card.
10. The candidate will have to sign the Attendance Sheet against his/her PET/CET Roll Number.

11. A signal will be given at the beginning of the Test. A signal will also be given at the closing time when the candidates must stop marking the responses.

12. After completing the Test and before handing over the Test Booklet and the OMR answer sheet to the invigilator, the candidates are advised to make sure that all the particulars required in the Test Booklet and the OMR answer sheet have been correctly written, i.e. PET/CET Roll Number, Name of the Candidate, PET/CET Code, Centre Code, Test Booklet Number, Test Booklet Code, PET/CET name.

13. No candidate will move out of the examination hall until the time prescribed for the Test is over.

14. No candidate will take away the Test Booklet and/or the OMR answer sheet from the examination hall. Taking away of the test booklet or the OMR answer sheet shall be treated as the usage of unfair means.

15. A candidate must bring his/her own black ball point pen to fill the answers in ovals of OMR answer sheet. In case the ovals are filled by any instrument other than the black ball point pen, then the answer sheet may be rejected by the optical scanner when the same is being scanned. In all such cases, the responsibility shall rest on the candidates.

16. The candidate must ensure that the answer sheet is not folded. Also, he/she should not make any mark or write any kind of description on it.

17. Candidates are advised to be sure about the correct answer before they darken the oval with black ball point pen. They should also ensure that each oval is completely darkened with black ball point pen, partially or faintly darkened ovals may be rejected by the optical scanner. It may also be negatively marked.

18. A question in which multiple ovals are darkened shall be deemed to be answered wrong.

19. The Test Booklet Code filled in by the candidate in the OMR answer-sheet will be accepted as final for the purpose of evaluation. When the space for the Booklet Code is left blank or more than one booklet code is indicated therein, it will be deemed to be an incorrect booklet code and the answer sheet will not be evaluated. The candidate himself/herself will be solely responsible for all the consequences arising out of any error or omission in writing the Test Booklet Code.

20. No candidate should do any rough work on the OMR answer-sheet. Rough work, if any, is to be done only in the Test Booklet at the space provided.

21. Candidates should check to make sure that the Test Booklet contains the number of pages as mentioned on the top of the first page. In case the numbers do not tally, it should be immediately brought to the notice of the invigilator. The candidates shall not remove any page(s) from the Test Booklet and if any page(s) is (are) found missing from a candidate's booklet, he/she shall be liable for prosecution under relevant provisions of Indian Penal Code.

22. In case of any confusion, invigilator may be contacted.

23. No candidate, without the specific permission of the Centre Superintendent or the invigilator concerned, shall leave his/her seat in the examination hall until he/she has finished his/ her paper and handed over the Test Booklet and the OMR answer-sheet to the invigilator on duty. Failure to do so may be treated as usage of unfair means.

24. Smoking in the examination hall during the hours of the Test is strictly prohibited.

25. Tea, coffee, cold drinks or snacks are not allowed inside the examination hall during the Test.

26. Candidates shall maintain perfect silence and attend to their papers only. Any conversation, gesticulation or causing disturbance in the examination will be deemed to be an act of misbehaviour and is, therefore, strictly prohibited. Also, if a candidate is found impersonating or using unfair means, his/ her candidature shall be cancelled and he/she will be liable to be debarred from taking the entrance tests either permanently or for a specified period depending upon the nature of the offense, in addition to any other action which may be taken under the Indian Penal Code.

27. If any candidate is found using any unfair means at any stage of admission process or does not observe discipline during the conduct of the Entrance Test, his/her candidature is liable to be cancelled, as such behaviour shall be deemed as the usage of unfair means.

28. The results of the CETs shall only be declared on the University website www.ipu.ac.in on or before the scheduled date of result declaration. There shall be no separate communication in this regard.

29. If any candidate is aggrieved by his/her declared result of CET, he/she may, within a week (at most 05 working days), apply for inspection of his/her OMR answer sheet, relevant question booklet and answer key and submit specific objections / grievances in specified performa along with a fee of Rs. 1000/- to be paid in the form of bank challan deposited at the Indian bank branch located in the University campus. Specific objections/grievances (if any) so received from the candidates, shall be put before a committee constituted for the purpose by the Controller of Examinations (Operations) of the University. On the advice of the duly constituted committee, appropriate action which may include revision of result, if necessary, shall be taken by the Controller of Examinations (Operations), of the University.

4. Important Dates

- Start date for receipt of applications (online): 12.12.2019 (Thursday)
- Last date for receipt of applications (online): 06.01.2020 (Monday) up to 4.00 p.m.
- Date of Entrance Test : 12.01.2020 (Sunday)
- Result of Entrance Test latest by 15.01.2020 (Wednesday) for Ph.D.
- Submission of documents by candidates requesting exemption from PET (at CEPS): Latest by 08.01.2020.
- List of exempted candidates from PET to be displayed on University Website: 10.01.2020 .
- Tentative Interview Schedule: 24.01.2020 (Final schedule to be notified on University website by concerned Centre in due course)

5. Submission of Application Form

- All the candidates have to apply online for admission to Ph.D. programmes by filling up the online application form as available on University website <http://www.ipu.ac.in> on the payment of Rupees One Thousand Only (Rs. 1000/-) plus service charges and taxes as applicable as the application fee.
- Appearing in Ph.D. Entrance Test (PET) is mandatory for all non exempted applicants (refer Point 2.2 above), however admit card would be issued to all the applicants including the exempted applicants (refer Point 2.2 above).
- All the applicants need to download the admit card from the link used for filling up the application form using their respective login id and password. The applicants who are exempted from Ph.D. Entrance Test should keep the admit card with them and the same has to be produced at the time of interview. The candidates are advised to take and retain a printout of the duly filled in application form.

The link for filling up the online application is as follows:

Homepage: <http://www.ipu.ac.in> -> Apply Online

Note: Last date for submission of online application form: 06.01.2020 up to 4.00 P.M.

6. Instructions for filling up Ph.D. Application Form

1. The candidates must read all the important instructions before filling up the Application Form.
2. A detailed procedure for filling up the application form is available on University website <http://www.ipu.ac.in> under the link "Procedure to fill online application forms."
3. The candidate should choose the "Exam Category" as "Ph.D." in the online application form.
4. The candidate should enter his or her relevant details and upload a recent clear photograph of size as mentioned with his or her scanned signature and left thumb impression.
5. Payment of application fee of Rs. 1000/- (Rs. One Thousand only) plus service charges and taxes as applicable must be made online.

7. Schedule of Ph.D. Entrance Test 2019 – 2020

S. No.	Test Code	Test Name	Exam Date	Exam Timings
1.	401	Pharmaceutical Chemistry	12.01.2020	10.30 AM to 12.30 PM

8. Refund Policy

Please refer to admission brochure Part - D available at University website www.ipu.ac.in

9. Centre of Excellence Details

9.1 Centre of Excellence in Pharmaceutical Sciences

9.1.1 Eligibility Criteria:

M.Sc. in Pharmaceutical Chemistry/Chemistry (Specilization in Organic Chemistry) or M. Pharm. in Pharmaceutical Chemistry/Pharmacology or M.Sc. (Bioinformatics) or M. Tech. (Bioinformatics) or MD/MS in any discipline of clinical/non-clinical medical sciences

9.1.2. Mode of Ph.D. Programme

Full Time

9.1.3. Syllabus for Entrance Test (PET/CET)

Part A - Research Methodology

Scientific Research: Meaning and characteristics of scientific research; Validity in research; Phases or stages in research; Various types of research: Quantitative, Qualitative, Experimental, Exploratory, Empirical, Descriptive, Ex-post facto, Case studies. Review of literature: Purpose of the review, Sources of the review, Citing references, Ethical and IPR issues in research.

Data representation: Collection of data, Tabulation, Organization and graphical representation of quantitative data: Line Graphs, Bar Graphs, Pie Charts, Histograms; Probability concept and theories.

Research Ethics: Research honesty and integrity, authorship, acknowledgment and citations, funding agencies and sponsorship, sources of data, sensitive materials and safety, patents & copyright, confidentiality and privacy, animal and human rights, environmental laws, scientific misconduct-fabrication of data and misrepresentation, plagiarism.

Part B - Subject Specific Test

Syllabi of subjects taught in the broad areas of Chemistry, Medicinal Chemistry, Pharmaceutical Chemistry, Biological Sciences or other Allied Sciences at Master's level, along with a basic understanding of bioinformatics.

