DR. A. P. J. ABDUL KALAM UNIVERSITY, INDORE

Guidelines for Ph. D. Candidates

(Session 2019-2020)

Ph. D. Program

Dr. A. P. J. Abdul Kalam University, Indore

DR. A. P. J. ABDUL KALAM UNIVERSITY, INDORE

(Private University declared by Govt. of Madhya Pradesh vide notification dt. 04.01.2016)

Indore-Dewas Bypass Road, Village Arandia, Indore (M. P.) – 452016

Phone: 09630451511, 08718803404; Email: directorresearch@aku.ac.in; Website: www.aku.ac.in

CONTENTS

1. Preface:

      Dr. A. P. J. Abdul Kalam University Indore offers research programs leading to the award of the Doctor of Philosophy (Ph.D.) degree. The Ph.D. Program at **Dr. A. P. J. Abdul Kalam University** designed to provide an opportunity to obtain the greatest possible expertise in the chosen field of interest through extensive course work and intensive research. The award of this degree is in recognition of high academic achievements, independent research and application of knowledge to the solution of technical and scientific problems in the various disciplines.

      The objective of Ph.D. degree program is to promote highly qualified researchers required for the expansion of fundamental knowledge and innovation through research & development.

2. Faculty of Ph.D. Program:

Dr. A. P. J. Abdul Kalam University offers admission in Ph.D. for following faculty of research:

- i) Faculty of Engineering & Technology
- ii) Faculty of Pharmacy
- iii) Faculty of Management
- iv) Faculty of Physical Science
- v) Faculty of Social Sciences
- vi) Faculty of Humanities
- vii) Faculty of Commerce
- viii) Faculty of Life Science
- ix) Faculty of Education

    The research work shall be an original work characterized by the discovery of the facts or by a new approach towards the interpretation of the facts or development of any equipment making a marked advancement in technology. The Ph.D. degree shall be conferred and awarded to a candidate who fulfils all the requirements specified in these Ordinances and Regulations in the discipline of the Department in which he/she is registered.

3. Notification for Ph. D. Program

The University shall decide and declare well in advance, a manageable number of doctoral students depending on the number of available eligible supervisors.

1. The number of seats as aforesaid shall be notified on a regular basis on the University website and/or advertisement in the widely read national as well as regional newspapers.

2. A notification for Ph.D. Program shall specify

   a. The number of seats available in each Department/Faculty/Subject, the date, place and syllabus of the Entrance Test

   b. Procedure of application submission

4. Eligibility Criteria for Admission to Ph.D. Program

1. At the time of admission in the degree of Doctor of Philosophy, the candidates must required a Master's degree in the relevant subject with at least 55% marks or an equivalent grade from the University, recognized by the University Grant Commission (UGC), New Delhi. A relaxation of 5% marks may be allowed for those belonging to for SC/ST/OBC (non-creamy layer students)/ differently-abled students.

2. The University shall admit applicants to Ph.D. degree program through Entrance Test conducted by it.

5. Admission Procedure

- Applications are invited for admission in Ph. D. Program.
- The applicant should fill application form and submit with all the desired documents together with fee in the prescribed manner.
- University will organize Ph.D. Entrance test and will declare eligibility list for personal interview
- The result of Ph.D. entrance test shall be declared on the University Website.
- Date of personal Interview and Fee deposition of qualified applicants Ph.D. Entrance Test will be notified through email and will be uploaded on website.
- Applicants shall be admitted to Ph.D. program after deposition of fees and verification of original documents (originals + 2 photocopies each) by the admission department.

6. Ph.D. Entrance Test

- List of Eligible candidates for entrance test will be displayed on University website.
- Eligible candidates have to appear in entrance test conducted by the University.
- The entrance test shall be of objective type in nature with total 200 marks with duration of two hours.
- Successful candidates will be called for Personal Interview.
- Applicants shall be short listed on the basis of merit for the predetermined seats available in each Department/Faculty/Subject for Ph.D. program of the University in an academic session.
- The allocation of the supervisor for a selected applicant shall be decided by the University depending on the number of seats per supervisor, the available specialization among the supervisors, and the research interest of the applicant.

7. Scheme & Syllabus for Entrance Test

There shall be one session of two hours duration. Applicants will be required to attempt under mentioned two papers:

a. Paper I will be common for all applicants of various disciplines, carrying 100 marks, one hour duration. There will be 50 objective type questions based on research methodology which include;

     i. General awareness: 15 questions
     ii. Basic computers: 15 questions
     iii. Research Aptitude: 10 questions based on reasoning and statistics
     iv. General Science:10 questions

b. Paper II will be based on the individual's subject/discipline to which the applicant belongs. The paper will be of 100 marks for one hour duration. There will be 50 subjective type (Objective) questions

c. Passing marks will be 55% in both papers.

8. Documents Required

Copies of the following self attested documents should be enclosed with the application form:

S. No	Name of Document/ Enclosure Required
1.	Dully filled Application form
2	Payment Proof i.e. Demand Draft
3.	NET/GATE/GPAT or equivalent examination Proof
4.	Copy of Academic Qualification Proof as per Application form
5.	Caste Certificate(if applicable)
6.	Recent 2 Passport Size Photograph

Acceptance of the form and the fees does not guarantee eligibility for appearing in the entrance test. Eligibility criteria have to be met by the applicants. Permission to appear for the test is provisional till such time the candidate fulfills the eligibility criteria within stipulated period.

9. Hall Ticket

- Hall Tickets will be provided online to all the candidates on the University website as per the exam schedule. Candidates will have to download and get a printout of Hall Ticket

Candidate must carry Hall Ticket along with one additional photo identity such as a driving license, PAN Card/Voter Card/ Aadhar Card to the examination hall.

10. Details of Entrance Examination Fees & Examination Centre

- The fees for the Entrance test examination of the Ph. D. Program 2019-20 is of Rs 1000/- submitted before. **20/07/2019** by 5 P.M with Application form.
- The application fee is mandatory for all candidates who are appeared in entrance examination.
- The application fees will be payable through Demand Draft issued from any Bank with Rs.1000/- in favour of "Dr. APJ Abdul Kalam University", payable at Indore.
- Entrance Examination will be conducted at Dr. A. P. J. Abdul Kalam University, Indore-Dewas Bypass Road, Village Arandia, Indore (M. P.) – 452016

11. Discipline in which Ph.D. Offered in Session 2019-2020

Faculty	Discipline
Engineering & Technology	Mechanical Engineering
	Electronics & Communication Engineering
	Computer Science & Engineering
	Electrical Engineering
	Civil Engineering
Pharmacy	Pharmaceutical Science
Management	Management
Physical Science	Physics
	Chemistry
	Geography
	Mathematics
	Computer Science
Computer Sciences & Application	Computer Application
Life Science	Botany
	Microbiology
	Biochemistry
	Biotechnology
	Zoology
Commerce	Commerce
Humanities	Hindi
	English
Social Science	Political Science
	Sociology
	Psychology
	Economics
	History
Education	Education

12. How to Apply

1. The applicant should draw a Demand Draft from any Bank, in favor of "**Dr. APJ Abdul Kalam University" payable at Indore**.

2. Candidate should enclose the required documents along with the hard copy of application form and Demand draft (Name, Subject and address should be written back side of D.D.)

3. Candidate send the application with Demand Draft and required documents either by post or by hand to **Registrar, Dr. A. P. J. Abdul Kalam University, Indore-Dewas Bypass, Village - Arandia, Indore- 452016.** Last date for submitting the application to the University is on or before **20/07/2019** during office hours 5 PM.

13. Important Dates

Start date of the Applications	**10/07/2019**
Last date for receiving the Applications	**20/07/2019**
Date of Entrance Test	**28/07/2019**
Declaration of Entrance Test results	**03/08/2019**

14. Programs and Fee Structure

Faculty	Discipline	Fees
Engineering & Technology	Mechanical Engineering	**2,00,000/- Per Year**
	Electronics & Communication Engineering	
	Computer Science & Engineering	
	Electrical Engineering	
	Civil Engineering	
Pharmacy	Pharmaceutical Science	**2,00,000/- Per Year**
Management	Management	**1,75,000/- Per Year**
Physical Science	Physics	**1,50,000/- Per Year**
	Chemistry	
	Geography	
	Mathematics	
	Computer Science	

Computer Sciences & Application	Computer Application	1,50,000/- Per Year
Life Science	Botany	1,50,000/- Per Year
	Microbiology	
	Biochemistry	
	Biotechnology	
	Zoology	
Commerce	Commerce	1,50,000/- Per Year
Humanities	Hindi	1,50,000/- Per Year
	English	
Social Science	Political Science	1,50,000/- Per Year
	Sociology	
	Psychology	
	Economics	
	History	
Education	Education	1,75,000/- Per Year

15. Leave and attendance

1. In addition to the holidays declared by the University, a Ph.D. candidate may avail leave up to thirty days during an academic year.
2. Maternity/Paternity leave shall be admissible as per the University rules, only once during the entire tenure of a candidate for Ph.D.

16. Course Work

Each candidate shall be required to undertake course work for a minimum period of one semester (six months). The course work shall be treated as pre-Ph.D. preparation and shall include the following syllabus:

1. Research Methodology (4 credits): Each Ph.D. candidate will have to undergo one course on Research Methodology.
2. Computer Applications (4 credits): This paper consist MS Office and Research Tool.
3. Literature Review in the domain of Research (3 credits): This course will be adjudged by submitting a Review article/assignment based on reviewing of latest published research articles/work in the relevant research field and a presentation of the same.

At the end of the course work of one semester each candidate shall be every year in the above three courses. A candidate who has put in a minimum of 75% attendance during the course work will be admitted to the examination which follows the course work.

S. No.	Subject Code	Name of Subject	Credits	Examination Scheme		
				End Semester Exam	Continuous Assessment*	Total Marks
1.	PhD 101	Research Methodology	4	60	40	100
2.	PhD 102	Computer Applications	4	60	40	100
3.	PhD 103	Review of Literature#	3	50#	0	50#
4.	PhD104	Comprehensive Viva-Voce	4	50	0	50
Total Credits & Marks			15 (Total Credits)	300 (Total Marks)		

*The continuous assessment includes assignment, power point presentation and attendance marks. Student will be required to submit two assignments and one power point presentation in each paper (1 and 2). Each assignment and power point presentation will carry 10 marks. The attendance of PhD course work will carry 10 marks.

No University Examination, in this course a PhD student has to present seminar/presentation or a series of presentations on a topic(s) chosen by him/her in consultation with his/her PhD Thesis Supervisor and the marks will be awarded on the basis of presentation.

17. Registration

1. Upon successful completion of the course work the candidate shall be required to present and defend a synopsis of his/her proposed research work before the RDC who may either approve or may ask the candidate to resubmit the synopsis based on the suggestions/modifications made by it. The RDC may allow not more than three attempts to a candidate for defending the synopsis of the proposed research work.

2. Upon approval of the synopsis by the RDC, the candidates are registered in the Ph.D. program and to undertake research work and produce a draft thesis within the stipulated time limit.

3. Every candidate registered for Ph.D. program shall be duly enrolled, unless he/she has already been enrolled once in the University, as a research candidate of the University on payment of prescribed fee and required documents in original.