



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

**Guidelines for Ph. D. Candidates  
(Session 2017-2018)**

**Research & Development (Ph. D. Programme)  
Dr. A P J Abdul Kalam University, Indore**

**April-2017**



# DR. A P J ABDUL KALAM UNIVERSITY, INDORE

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

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Last date Application Form: 30/05/2017; Date of Written Test: 04/06/2017

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

(Established by an Act of Govt. of M.P. & Approved By Govt. of M.P. Notification no.)

## **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 Programme 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 programme 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

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 is registered.

### **3. Notification for Ph. D Programme**

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. Programme shall specify
  - a. The number of seats available in each Department/Faculty/subject, the date, place and syllabi of the Entrance Test
  - b. Procedure of application submission

### **4. Eligibility Criteria for Admission to Ph.D Programme**

1. A candidate for the degree of Doctor of Philosophy must, at the time of application, hold Master's degree with at least 55% marks or an equivalent grade of the University, a Deemed University or any other University incorporated by any law for the time being in for RDC and recognized by the University (5% relaxation in marks for SC/ST/OBC students).
2. The University shall admit applicants to Ph.D. degree programme through Entrance Test conducted by it.
3. Applicants who have qualified UGC/CSIR/DST/GATE/GPAT/SLET/NET/M.Phil/National/State level fellowship shall be admitted directly without the entrance test.
4. Applicants who have been awarded teachers fellowship by statutory bodies for doing Ph.D. degree shall also be admitted directly without the entrance test.

### **5. Admission Procedure**

- Applications are invited for admission in Ph. D. Programme.
- The applicant should fill application form for admission to Ph. D. program and submit with all the desired documents together with fee in the prescribed manner.
- University will organize Ph.D. Entrance test once in a year (if applications are more in number it shall be held twice a year) 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 or eligible for direct admission (personal interview schedule will be notified through email and will be uploaded on website).
- Scrutiny of Forms and removal of deficiencies
- The date of fee deposition shall be informed to all qualified applicants of Ph.D. entrance test.
- 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 written test will be displayed on website.
- Eligible candidates have to appear in written test conducted by the University.
- The written 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 for Ph.D. programme 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 the test. Eligibility criteria have to be met by the applicant. 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 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, college/university identity card, PAN card/voter card/ Aadhar card to the examination hall.

## 10.Details of Entrance Examination Fees & Examination Centre

- Application form fees for the Entrance exam of the Ph. D. Programme 2017-18 is of Rs 1000/- as per schedule i.e. 30/04/2017 by 5 P.M.

- The application fee is mandatory for all candidates including those who are appeared in entrance examination.
- The application fees will be payable through Demand Draft issued from any Nationalized Bank 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 2017-2018

Faculty	Discipline
Engineering & Technology	Mechanical Engineering
	Electronics & Communication Engineering
	Computer Science & Engineering
Pharmacy	Pharmaceutical Science
Physical Science	Physics
	Chemistry
	Geography
Life Science	Botany
	Microbiology
Humanities	Hindi
Social Science	Political Science
Commerce	Commerce
Management	Management

### 12. How to Apply

1. The applicant should draw a D.D. from any Nationalized Bank, in favor of “**Dr APJ Abdul Kalam University**” payable at **Indore – 452016**.
2. Candidate should enclose the required documents along with the hard copy of application form and Demand draft (Name, application form number and address should be written back side of D.D.)
3. Candidate should fill-up the Online Application Form as per the given instructions and take print out of the Application Form, attach the mentioned documents (attested photo copies) along with D.D., enclosed in an envelope and send it either by post or by hand to **Registrar, Dr. A P J Abdul Kalam University, Indore-Dewas Bypass, Arandia, Indore-452016**. Last date for submitting the hard copy of the printed form along with D.D. and

necessary documents to the university is on or before 30/04/2017 during office hours.

### 13.Important Dates

Last date for receiving Applications	<b>05 May 2017</b>
Date for Written Test	<b>14 May 2017</b>
Declaration of List of Eligible candidate for PhD admission	<b>25 May 2017</b>

### 14.Programs and Fee Structure

Faculty	Discipline	Fees
<b>Engineering &amp; Technology</b>	Mechanical Engineering	Registration (once) – Rs 25,000
	Electronics & Communication Engineering	Tuition Fees- Rs 1,60,000
	Computer Science & Engineering	<b>Total = Rs 1,85,000</b>
<b>Pharmacy</b>	Pharmaceutical Science	Registration (once) – Rs 25,000 Tuition Fees- Rs 1,60,000 <b>Total = Rs 1,85,000</b>
<b>Management</b>	Management	Registration (once) – Rs 25,000 Tuition Fees- Rs 1,25,000 <b>Total = Rs 1,50,000</b>
<b>Physical Science</b>	Physics	Registration (once) – Rs 25,000
	Chemistry	Tuition Fees- Rs 71,000
	Geography	<b>Total = Rs 96,000</b>
<b>Humanities</b>	Hindi	Registration (once) – Rs 25,000 Tuition Fees- Rs 71,000 <b>Total = Rs 96,000</b>
<b>Social Science</b>	Political Science	Registration (once) – Rs 25,000 Tuition Fees- Rs 71,000 <b>Total = Rs 96,000</b>
<b>Commerce</b>	Commerce	Registration (once) – Rs 25,000 Tuition Fees- Rs 71,000 <b>Total = Rs 96,000</b>
<b>Life Science</b>	Botany	Registration (once) – Rs 25,000
	Microbiology	Tuition Fees- Rs 71,000 <b>Total = Rs 96,000</b>



## 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 including a part-time candidate after having being admitted, 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 courses:

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, Matlab 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 at least 50 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 examined in the month of Nov./Dec. and May/June 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.

- a. The syllabus of the course Research Methodology and Computer Application shall be prepared by the Research Board and the syllabus of the specialization course (Departmental elective) shall be prepared by the concerned Research committee in consultation with the Supervisors of the field.
- b. The question papers for the course work shall be prepared by the external experts other than Supervisors to be appointed by the Vice Chancellor on the recommendation of Dean-Research/RDC.
- c. In general the answer books of course work shall be assessed by the concerned paper setter. However, in case the Paper Setter is not available other competent faculty may be appointed by the Vice Chancellor on the recommendation of Registrar/RDC.
- d. A candidate shall be declared to have successfully completed course, if he/she has successfully passed semester examinations with minimum 65% or in equivalent grade. Minimum 6 credits to be earned during the course work for successful completion.
- e. The University may allow a part-time candidate to carry out the course work of one semester in any institution/sister department within or outside the University, provided that such a candidate shall have to appear at the examination conducted by the University at the end of such course work semester.

## **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 application for registration shall be placed before the Registrar who, after being satisfied with the candidate's requisite qualification and the subject offered can be well pursued for the Ph.D. programme, may permit the candidate

to get himself registered as a candidate for Ph.D. programme by fulfilling conditions, if any, prescribed by the university for registration and to undertake research work and produce a draft thesis within the stipulated time limit.

3. At the time of registration the candidate will submit photocopies of his/her documents to the office of Registrar.
4. Every candidate registered for Ph.D. programme 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.