



ARYABHATTA KNOWLEDGE UNIVERSITY

PATNA

ORDINANCES

FOR THE DEGREE OF DOCTOR

OF PHILOSOPHY (Ph.D.)

IN MEDICINE

ORDINANCES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D.) AKU, PATNA

1. SHORT TITLE AND COMMENCEMENT

These Ordinances may be called "THE ORDINANCES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D)" Aryabhata Knowledge University, Patna.

2. ELIGIBILITY:-

2.1 FULL TIME CANDIDATES (FACULTY OF MEDICINE)

Every candidate who presents himself/herself for registration for the Degree of Doctor of Philosophy (Ph.D.) in Medicine, Surgery and their specializations must possess anyone of the following educational qualifications, awarded by this University or of any other University or any other qualification recognized by this University as equivalent thereto:-

Degree of Doctor of Medicine (D.M.); Degree of Master of Chirurgie (M.Ch.); Degree of Doctor of Medicine (M.D.); Degree of Master of Surgery (M.S.); Postgraduate Diploma in the Faculty of Medicine and Diplomat of National Board of Examinations of India.

2.2 FULL TIME CANDIDATES (NON-MEDICAL DISCIPLINES)

Faculty of Dentistry, Pharmacy, Nursing, Allied Health Sciences, Biomedical.

A candidate who presents himself/herself for registration for the Degree of Doctor of Philosophy (Ph.D.) must possess anyone of the following educational qualifications awarded by this University or of any other recognized University or any other qualification recognized by this University as equivalent thereto:-

Degree of Master of Science in the Faculty of Medicine (M.Sc. - Non-medical - 3 years course); Master's Degree in the Faculties including Dentistry /Pharmacy /Nursing/ Allied Health Sciences/Biomedical Sciences & Technology /Physiotherapy.

2.3 FULL / PART TIME CANDIDATES (INTER-DISCIPLINARY RESEARCH)

Every candidate who presents himself/herself for registration for the Degree of Doctor of Philosophy (Ph.D.), as an "inter-disciplinary research candidate" must possess anyone of the educational qualifications mentioned in above clauses (2.1) or (2.2) of this Ordinances or one of the following educational qualifications awarded by this University or any other recognized University. At the time of award of Ph.D. Degree, the candidate's basic postgraduate discipline as well as the research discipline will be indicated in the degree certificate as per the existing and to be introduced faculties in the University e.g., Inter disciplinary (Microbiology -

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Ordinances (Old) for the Degree of Ph.D. in Medicine, AKU, Patna

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Registrar
Aryabhata Knowledge University, Patna

Biotechnology) Candidates proposing to conduct interdisciplinary research should submit duly filled in proposal in the prescribed format in addition to the overall research proposal to be submitted along with the application for provisional registration for Ph.D.

2.4 PART TIME RESEARCH CANDIDATES (Internal)

A candidate who fulfils the Ordinances as to qualifications specified in Ordinances (2.1, 2.2 & 2.3) and possesses at least three year continuous experience as teaching faculty or researcher in a college of this University on the date of provisional registration, may be permitted to register himself/herself as a part time scholar (internal) for Ph.D. Degree under a guide recognized by this University.

3. DURATION OF RESEARCH WORK

3.1 FULL TIME CANDIDATES:


The candidates registered for the Degree of Doctor of Philosophy (Ph.D.) as full time research scholars shall undergo research work for a minimum period of THREE years M.Sc. from the date of provisional registration. However candidates with MD/MS/DNB/ MDS/DM/M.Ch qualifications, the period of research work and training would be a minimum of TWO years. He/ she shall attend the department for research on all working days, except for periods when he/ she is allowed to visit other institutions/laboratories for activities connected with research for a period permitted by the concerned Guide.

3.2 PART TIME CANDIDATES:

The M.Sc candidates registered for the Degree of Doctor of Philosophy (Ph.D.) as part time research scholars shall undergo research work for a minimum period of FOUR years from the date of provisional registration. In the case of Part time candidates with MD/ MS / DNB / MDS / DM / M.Ch qualifications, the period of research work and training would be a minimum of THREE years.

3.3 MAXIMUM DURATION:

The maximum period of research shall not exceed five years for full time candidates and six years for part time candidates from the date of provisional registration.


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4. PROCEDURE FOR ADMISSION TO Ph.D. PROVISIONAL REGISTRATION

- 4.1 There shall be a two-stage admission process for the Ph.D programme of the University with an Entrance examination followed by proposal presentation and viva voce, by selection Board constituted for that purpose candidates under clause 2.4 (teachers) shall be exempted.
- 4.1.1 Only those candidates who secure 50% and above would be eligible for applying for provisional registration
- 4.2 A candidate applying for provisional registration shall submit an application in the prescribed form obtainable from the Registrar, AKU, Patna together with the fee, within the stipulated time furnishing the following information:-
- 4.2.1 Qualifications and details of previous study and research if any, and full particulars of publications (with reprints) to his/her credit in accredited journals;
- 4.2.2 Broad field of research in which he/ she intends to pursue research;
- 4.2.3 Detailed Research Proposal (9 copies) containing introduction; review of literature and lacunae in knowledge; aims and objective of the study; plan of work; materials and methodology.

5. QUALIFICATION FOR A PH.D. GUIDE

A guide for the Ph.d. degree shall have not less than 15 years teaching and research experience after obtaining his post graduate qualification and shall also have not less than 10 years post graduate teaching experience as a faculty member.

- 5.1 A guide shall not undertake to offer guidance for Ph.D. work for more than two fresh candidates (including part-time scholars) at a time. However for reckoning the number of candidates under a guide, the number of candidates for whom he/she is acting as a co-guide shall not be taken into account. The number of candidates for whom a guide can act as a co-guide shall not exceed THREE after ascertaining the number of candidates under their guidance.
- 5.2 For the purpose of reckoning the number of candidates (both full-time and part-time) under a guide (or co-guide) those candidates who have submitted their synopses of the theses to the Controller of Examinations, shall not be taken into account.
- 5.3 A guide shall not undertake to offer guidance for Ph.D. work to any of his/her first degree relatives.

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- 5.4 No guide shall enroll candidates for the award of Ph.D. Degree unless he/she has at least one year of service before retirement on superannuation. A guide who has more than one year of service before retirement may enroll candidates and continue as Guide even after retirement in respect of such candidates.
- 5.5 Candidates carrying out inter-disciplinary research shall have a co-guide in the proposed field of research.
- 5.6 The same qualification and other criteria stipulated for recognition as the guide are essential to be approved as a co-guide also.
- 5.7 While the maximum age limit for a guide to supervise a Ph.D. candidate is 65 years of age, it would be extended up to 70 years in exceptional cases of expertise, provided he/ she is associated with the University in a teaching/ research position.

6. RESEARCH COMMITTEE

- 6.1 Each specialty will have its own Departmental Research Committee (DRC) with the following members to supervise all academic matters related to this degree and the candidate who is admitted:-

- i. Head of the Department (Chairman);
- ii. One Professor (an External Expert nominated by the Vice-Chancellor)
- iii. Three/Four Head of Departments
- iv. Three/Four Senior most Readers.

For Reader category the term would be a period of 2 years by rotation.

7. BOARD OF RESEARCH STUDIES

- 7.1 Following will be the composition of Board of Research Studies of the Faculty of Medical Sciences:-

- i. Dean of the Faculty;

- ii. All Heads of the Department under Faculty of Medical Sciences.
- iii. All Heads of the Institutions / Colleges (i.e. Dean/ Principal/ Director) affiliated to the University for UG & PG Course.
- iv. One senior most Professor nominated from each of the teaching Institutions (PMC, DMC, SKMC, NMC, ANMC & JNMC).

Dean of the Faculty will be the Chairman for the respective Board of Research Studies.

The term of the Board of Research Studies will be for a period of two years.

8. PROCEDURE FOR RESEARCH & EVALUATION

- 8.1 Supervisor(s) of the candidate shall, six weeks in advance of the submission of thesis, forward seven copies of Abstract of the thesis including table of contents for consideration by the Departmental Research Committee to the concerned Head of the Department, under intimation to the Controller of Examinations, AK University. The Head of the Department shall take immediate steps for convening a meeting of the Departmental Research Committee to consider appointment of external examiners. The Supervisor(s) of the thesis, if she/he/they is/ are not member(s) of the Departmental Research Committee, shall be invited at the said meeting of the Departmental Research Committee for consultation in regard to recommending the panel of a minimum of 6 external examiners who shall be eminent scholars and specialists in the area of the thesis. The recommendations of concerned Board of

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Research Studies the examiners shall be appointed by the Vice-Chancellor, AKU, Patna. Three examiners out of the panel so approved shall be appointed for evaluation of each thesis.

- i. The examiners may recommend that the degree be awarded subject to satisfactory open viva voce test on the thesis or that the thesis may be rejected, or that the thesis be resubmitted.
- ii. In the event that all the three examiners unanimously recommend award of degree, the same shall be done after a satisfactory open viva voce test under recorded videography.
- iii. In the event that two or more examiners reject the thesis, the thesis shall be rejected and registration of the candidate closed.
- iv. In the event that two examiners recommend resubmission and one examiner recommends acceptance of the thesis or all three examiners recommend resubmission, the candidate shall be required to revise and resubmit the thesis as per the rules governing resubmission of thesis.
- v. In the event that one examiner accepts the thesis, one examiner rejects the thesis and one examiner recommends resubmission, or in the event that two examiners recommend resubmission and one examiner recommends rejection, the thesis shall be rejected and registration of the candidate closed.
- vi. In the event that two of the three examiners recommend the award of degree and the third examiner recommends rejection, the thesis

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shall be referred to the fourth examiner to be selected by the Vice-Chancellor, AKU, Patna from out of the original panel of examiners.

- vii. In the event that two of the three examiners recommend the ward of degree and the third examiner recommends resubmission, the reports of the examiners shall be sent by the Office of the Controller of Examinations to the concerned Head of the Department who, in consultation with the Supervisor(s), shall prepare a Summary of the Recommendations of the Reports and a Summary of the Technical Parts of the Reports. These two Summaries to be submitted along with original reports to the Committee of the Academic Council consisting of the Vice-Chancellor / Registrar, Chairman of the Board of Research Studies, Head of the concerned Department, the Supervisor(s) of the candidate, and three Professor nominated by the Vice-Chancellor, AKU, Patna

In such cases, the Committee shall either require the candidate to revise and resubmit the thesis or refer the thesis to the fourth examiner to be selected by the Vice-Chancellor from out of the

original panel of examiners. The Committee shall take only one of the above actions and the result of such an action shall be final and binding on the thesis.

- viii. In case of resubmission of thesis, the thesis must be resubmitted within one year from the date of supply of comments of the examiners to the candidate by the Office of the Controller of Examinations, unless extension is specifically granted by the concerned Board of Research Studies under intimation to the Committee. The resubmitted thesis shall be examined only by the original Board of Examiners unless, they or any of them are/ is unable or unwilling to act/ as the examiner. Positive recommendations from all the examiners who have agreed to examine the resubmitted thesis shall be necessarily required for award of the degree. The thesis may only be resubmitted once and a unanimous verdict of the original Board of Examiners shall be final and binding. A resubmitted thesis shall not be marked to a Fourth examiner.
- ix. In case the Committee decides to refer the thesis to the fourth examiner, the same shall be selected by the Vice-Chancellor from out of the original panel of examiners for recommending either acceptance or rejection of the thesis. The fourth examiner, so appointed shall be informed of the recommendations of the other three examiners. The

recommendation of the fourth examiner shall be final and binding on the thesis. Such a thesis examined by the Fourth Examiner, shall not be allowed to be resubmitted or marked to any further examiner and the registration of the candidate shall be closed.

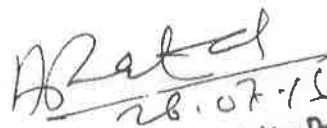
9. RESERVATION

9.1 The extent of reservations and the eligibility criteria with respect to the reserved categories of students to be admitted to the doctoral programme will be governed by guidelines issued by the Govt. of Bihar/AKU, Patna in accordance with statutory provisions of law.

10. INTERPRETATION OF ORDINANCES

10.1 Any issues concerning procedure or interpretation of the provisions contained in this Ordinances shall be referred to the Vice-Chancellor whose decision shall be final & binding.

10.2 As and when required, changes may be made in provisions contained in this Ordinances.


28.07.15
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Registrar
Ayazbaha Knowledge University, Patna

Amendment proposed in Ordinance for Ph.D. in Medical Sciences

In exercise of the powers conferred under section 29(2) of Aryabhata Knowledge University Act, 2008, following amendments have been proposed in Ordinance for Ph.D. in Medical Sciences:-

1. **Substitution of Para 2.2 of Ordinance for Ph.D. in Medical Sciences-** Para 2.2 of Ordinance for Ph.D. in Medical Sciences shall be substituted as under:-

2.2 FULL TIME CANDIDATES (OTHER THAN MEDICINE DISCIPLINES)

Faculty of Dentistry, Ayurveda, Pharmacy, Nursing, Allied Health Sciences, Biomedical.

A Candidate who presents himself/herself for registration for the Degree of Doctor of Philosophy (Ph.D.) must possess anyone of the following educational qualification

Awarded by this University or of any other recognized University or any other qualification recognized by this University as equivalent thereto:-

Degree of Master of Science in the Faculty of Medicine (M.Sc. - Non-Clinical-3years course); Master's Degree in the Faculties including Dentistry/Ayurveda / Pharmacy / Nursing / Allied Health Sciences / Biomedical Sciences & Technology / Physiotherapy.

2. **Substitution of Para 3.1 of Ordinance for Ph.D. in Medical Sciences-** Para 3.1 of Ordinance for Ph.D. in Medical Sciences shall be substituted as under:-

The candidates registered for the Degree of Doctor of Philosophy (Ph.D.) as full time research scholar shall undergo research work for a minimum period of THREE years for M.Sc. from the date of provisional registration. However, candidates with MD/MS/DNB/MDS/DM/M.Ch. Qualifications, the period of research work and training would be a minimum of THREE years for those who completed their P.G. of two years duration & those who have completed their P.G. of three years duration, the period of research work and Training would be of minimum of TWO years. He/she shall attend the department for research on all working days. except for periods when he/she is allowed to visit other institutional laboratories for activities connected with research for a period permitted by the concerned Guide.

3. **Substitution of Para 3.3 of Ordinance for Ph.D. in Medical Sciences-** Para 3.3 of Ordinance for Ph.D. in Medical Sciences shall be substituted as under:-

3.3 MAXIMUM DURATION:

The maximum period of research shall not exceed six years for full time candidates' and seven years for part time candidates from the date of provisional registration. The maximum period of research work shall be extended for further two years with permission from the Vice-Chancellor, Aryabhata Knowledge University, Patna.

4. **Substitution of initial paragraph of Para 5 of Ordinance for Ph.D. in Medical Sciences-** The initial paragraph of Para 5 of Ordinance for Ph.D. in Medical Sciences shall be substituted as under:-

QUALIFICATION FOR A Ph.D. GUIDE

Any senior teacher/scientist intending to become guide for Ph.D student should have not less than 10 years of teaching and research experience after opting his/her Ph.D./P.G. degree out of which 3 years should be the Post-Graduate teaching.

- 5.. **Substitution of Para 10 of Ordinance for Ph.D. in Medical Sciences-** Para 10 of Ordinance for Ph.D. in Medical Sciences shall be substituted as under: -

Ph.D. Course Work - Each selected/registered candidate must go through a course work for a period of six months.

a) The scheme for course work examination to be conducted by the University shall be as follows:

(i) Two written papers each of three hours duration and each carrying maximum of 100 marks.

PAPER: Research Methodology related to the area of research. As far as Examination in Paper I & II are concerned, the syllabus mentioned in "Post M.D. - Ph.D. a Super – Specialty Program" of KGMU, Lucknow shall be divided into Paper I & II. The place of course work -AKU shall conduct the course work in its Centre/Colleges/Institutes or contact KGMU, Lucknow, Banaras Hindu University, Varanasi or any other Govt./Private Institutions, which can impart the training for the course work on Honorary basis.

(ii) A Viva-Voce examination carrying a maximum of 100 marks for candidates who have passed the theory examination.

b) The syllabi for both papers for each candidate shall be prescribed by the Guide and should be approved by the University. The Syllabi prescribed by the Guide approved by University for the two theory papers of course work examination, shall

be notified and will be communicated to the Controller of Examination of the University as well as to the candidate and to the concerned Guide, at least one month earlier to the examination after they are approved by the University.

6 Months

Subject selection for Research, Synopsis presentation, Evaluation by Post Graduate Departmental Research Committee & sending of synopsis to the University.

Evaluation of synopsis at University level by Ph.D. Research committee and registration of the candidates.

Presentation of the (Cases evaluated) during first 6 months at the PGRC (departmental).

Evaluation & Review of Literatures related to the topic at department level and submission of the results.

1.5 Year (Extendable as per requirements of the Research work) - Any field work (if relevant) and preparation & presentation of the observations for discussion at the department level and sending of preliminary report to the University.

6 Months

Preparation of the thesis and submission in the three typed/printed copies.

Evaluation of the thesis by three examiners (at least 2 externals) subjected to approval by any two.

Follow-up study in the department about the topic concerned.

As the end of this phase to conduct Viva & Practical examination for the evaluation of candidates for awarding degree of Ph.D.

6. **Insertion of Para 3.5 of Ordinance for Ph.D. in Medical Sciences-** Para 3.5 of Ordinance for Ph.D. in Medical Sciences shall be inserted as under:-

3.5 In the cases where the Ph.D. guide and the candidates work in same institutions/centers the candidate may be permitted to submit their thesis after three years of research work after their provisional registration, provided 6th half yearly progress shall be submitted to the university and accepted.

The contact period for Part time Ph.D. students shall be 45 days for every six months. So that it becomes 90 days in a year. Candidate has to submit attendance for this period through proper channel.

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