

ARYABHATTA KNOWLEDGE UNIVERSITY, PATNA

Ordinance for Admission to Ph.D. (*Nano Science & Technology*) program in the School of Engineering & Technology

Nomenclature:

This ordinance may be called as "Ordinance for Admission to Ph.D. (*Nano Science & Technology*) programme in the School of Engineering & Technology" of Aryabhata Knowledge University, Patna.

- O.1.** Eligibility for admission, admission policy and procedure shall be decided from time to time by the Court of the Aryabhata Knowledge University, Patna (AKU Patna) hereafter mentioned as University.
- O.2.** The normal duration of the Ph.D. (*Nano Science & Technology*) programme, including project work, shall be minimum *six semesters* (three years). The duration can be extended to a maximum of ten semesters (5 years). The maximum limit can be extended with the permission of competent authority on +1 and +1 year basis up to 7 years maximum. Candidates may be permitted to do their project work in the industry and other approved organizations.
- O.3.** Award of Ph.D. (*Nano Science & Technology*) shall be in accordance with the regulations of the University.
- O.4.** The University will conduct this course at its headquarters and in any viable institutions affiliated to this University from the Session 2014-16.
- O.5.** The Court of the University has the right to modify any regulations stated from time to time.

O.6. Admission:

- a. There are two possible categories of admission in Ph.D. (*Nano Science & Technology*) programme:
 - i. **Full-time doctoral students:** Such students are entirely focused on carrying out their coursework, research, and other requirements of the Ph.D. Program at the University or University recognized institutions.
 - ii. **Part-time doctoral students:** Such students are either full-time employees (*e.g.*, faculty, technical staff or project staff not covered under 'i' (see Rules in **Annexure-I** of the University), or employees of other organizations (such

as Constituent Colleges, Universities, recognized R&D Centers, Industries, etc.). They will be exempted from PRT and will be permitted to proceed at a slower pace in their Ph.D. Program at the University.

- b. A candidate seeking admission to Ph.D. (*Nano Science & Technology*) should possess either i, ii or iii, to pursue research in nanoscience and nanotechnology:
 - i. M.E./ M.Tech./ M.S. or equivalent degree with a minimum of 55% marks in Nanotechnology/Electrical/Mechanical/Electronics/ Instrumentation/ Chemical/Biochemical Engineering.
 - ii. M.Sc. (Nanoscience/Nanotechnology) or an equivalent degree in any branch of Physical/Chemical/Material Science/Biological/Agricultural sciences with a minimum of 55% marks.
 - iii. Master degree in any branch of Medical (Allopathic, Ayurveda, Homeopathy or Unani)/ Veterinary sciences or an equivalent degree with a minimum of 55% marks.
- b. Candidates who have qualified for the award of the M.Sc. degree in Science in above mentioned subjects through distance education/ correspondence mode are also eligible to apply for admission to the Ph.D. (*Nano Science & Technology*) programme.
- c. M.Tech. (*Nano Science & Technology*) candidates from AKU with a minimum CGPA of 7.5 for General category, and 7 in case of SC/STs, are eligible for admission in Ph.D. (*Nano Science & Technology*) programme without appearing in the **University Ph.D. Entrance Test** and they will be exempted from the coursework if he/she wants to continue to the Ph.D. programme. Such case(s) will be considered as **Integrated M.Tech.-Ph.D. programme**.
- d. Candidates having Master degree in Science/Engineering/Technology with a minimum of 55% marks and a valid UGC-NET or DST-INSPIRE score will be exempted from the **University Ph.D. Entrance Test**.
- e. The reservation of the seats for this course shall be as per the reservation rules of the Govt. of Bihar.
- f. Seats left unfulfilled in any of the reserved category by reason of the fact that eligible candidates are not available shall be filled up admitting applicants from amongst candidates available in other categories in order of ascending categories.
- g. The total number of seats for the Ph.D. (*Nano Science & Technology*) shall be notified time-to-time (includes reservation as per Government of Bihar norms).

O.7. Disqualification:

- a. No applicant shall be admitted to this course who has not applied for admission within the notified time.
- b. The admitted students will have to get themselves registered within a specified time notified by the university.
- c. No such applicant shall be admitted who in the opinion of the Vice Chancellor is not a fit candidate to be admitted to guard the best interest of the University.
- d. The admission of any student admitted to Ph.D. (*Nano Science & Technology*) shall be cancelled if it is found at any later point of time that any document submitted or statement made by him/her in support of his/her admission is forge or false, the concern student will be solely liable for the act.
- e. No candidate shall be allowed to register as a student in any course during the academic years of his/her study for Ph.D. (*Nano Science & Technology*).

Other Important Information

Online/offline application form has to fill on University website: <http://acnn.akubihar.ac.in>. The online filled application form (Printed /downloaded) must be sent with the Demand Draft (DD) of Rs. 1,000/- (Rupees One Thousand Only) and Rs. 500/- (Rupees Five Hundred Only) for SC/ST candidates only, issued from any nationalized bank, in favour of “**AKU, REGISTRATION AND EXAMINATION FUND**” payable at **Patna**. Along with self-attested photo copy of all the certificates must reach to: **The Controller of Examination, Aryabhata Knowledge University, CNLU, Campus, Mithapur, Patna – 800 001. (Bihar)** on or before the last date for receipt of the form through Speed post/Registered post only.

Description of Ph.D. Admission Test (PAT)

Papers	Questions	Full Marks	Syllabus
PAPER-I	Multiple Choice questions 50	100	Multiple Choice questions on qualitative, teaching and research aptitude
PAPER-II	Long 3	60	Subjective type in the subject concerned based on syllabus of the Post Graduate course of the University.
	Short 5	40	

The PAT is a written test comprising two papers of 100 marks each. Paper-I will consist of Multiple Choice questions on qualitative, teaching and research aptitude. The paper – II will be subjective type in the subject concerned based on syllabus of the Post Graduate course of the University.

- No negative marking for wrong answers.
- The question paper will be in English only.