



OVERVIEW

The JECRC University Ph.D. Programme is structured on the new UGC guidelines of Ph.D. programme. JU envisages high standard of research and academic integrity so that the Ph.D. degree is also of global standard. The objectives of the Ph.D. programme are to impart research training to the scholar and prepare him / her to carry on independent investigation and original research and to enable them to make a significant contribution to knowledge in their respective field and profession. The training programme shall ensure that it is not an end in itself, but a means for a fruitful research career.

Currently, JU is providing admission to the Ph.D. programme for full-time and part- time research in almost all subjects in Engineering, Science, Management and Law.

ELIGIBILITY

Candidates who have qualified for the Master's degree from any academic institution recognized by UGC (with not less than 55% of marks, or a CGPA of 5.5 and above in the 10 point scale) are eligible to apply for Ph.D. at JU in the faculties of Engineering, Management, Science and Law. SC/ST/OBC (non-creamy layer) and differently abled candidates are eligible for 5% exemption from the prescribed minimum marks.

Candidates who qualify UGC-NET (including JRF) /UGC - CSIR NET (including JRF)/ SLET / GATE / teacher fellowship holder or have passed M.Phil. programme are exempted from the entrance examination. Candidates who qualify the common Admission Test (CAT) are also exempted from the entrance examination.

In case of candidates holding a qualifying degree from foreign universities, registration for the Ph.D. will be confirmed after determination of equivalence by the University Research Committee (URC). A candidate would be allowed to register for Ph.D. in a department relevant to his/ her field of study , but the degree would be awarded from the Faculty in which he/she has got his/her PG degree.

SELECTION PROCESS

Selection of Research Scholars shall be based on the performance in both written test and interview to be conducted by the University twice in a year (June and December).

Application for Ph.D. Program

Application Availability	https://jecrcuapplication.jecrcuniversity.edu.in/ph-d
Form Fee	Rs. 1500/-
Last date to Fill Application from Online	10 th December 2019
Date of Entrance Examination	22 nd December 2019

Ph.D. at JECRC University

Duration and Mode	Three Years : Full/ Part Time Program
Program fee	Rs. 30,000 Per Annum (Two Semesters)

Departments / Specialization	<p>ENGINEERING</p> <ol style="list-style-type: none"> 1. Civil Engineering -04 2. Computer Science Engineering -09 3. Electronics & Communication Engineering -08 4. Electrical Engineering -13 5. Mechanical Engineering – 20 6. Information Technology - 12 <p>SCIENCE</p> <ol style="list-style-type: none"> 1. Physics-14 2. Chemistry-24 3. Mathematics- 14 4. Biotechnology-06 5. Botany – 04 6. Microbiology – 04 <p>Management studies -18 (Specialization available)</p> <ol style="list-style-type: none"> 1. Human Resource Management 2. Finance 3. Marketing 4. Information Technology 5. Operations Management <p>LAW – 05 (Specialization available)</p> <ol style="list-style-type: none"> 1. Corporate Law (Business & Company Law) 2. Technology Law (IPR & Cyber Law) 3. Administrative Law 4. Criminal Law
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General Information about Entrance Test for Ph.D. Programme

General	Question Paper will be in English
Duration of Exam	1:30 Hours
Question Type	Objective Type Multiple Choice Question (MCQ) PART A – Research Methodology(Common to all) PART B – Subject / Specialization (As per syllabi of PG level, Concerned Subject/ Branch/ Specialization)
Marks for correct answer	4 Marks
Marks for wrong answer	No Negative Marking

Venue for the Ph.D. Entrance Examination

Rajasthan	JECRC UNIVERSITY Plot no.IS- 2036 to 2039, Ramchandrapura Industrial Area, Vidhani, Sitapura Extension, Jaipur- 303095 (INDIA)
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Contact Details

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SYLLABUS

(PART- A: Research Methodology)

Research – Qualities of Researcher – Components of Research Problem - Various steps in Scientific Research – Types of Research – Hypothesis Research Purposes –Research Design – Survey Research – Case Study Research Data Collection and Interpretation – Sources of Data – Primary Data – Secondary Data - Procedure Questionnaire –Sampling Methods – Merits and Demerits – Experiments – Observation Method – Sampling Errors – Type-I Error & Type –II Error, Statistical Analysis, - Introduction to Statistics – Probability Theories – Conditional Probability – Poisson Distribution , Binomial Distribution and Properties of Normal Distributions – Hypothesis Test –One Sample test- Two Sample Test/Chi- Square Test – Association of Attributes – Standard Deviation-Co-Efficient of Variations ,Statistical Applications – Correlation and Regression Analysis- Analysis of Variance – Partial and Multiple Correlation – Factor Analysis and Conjoint Analysis – Multifactor Evaluation – Two Factor Evaluation Approaches. Research Reports - Structure and Components of Research Reports – Types of Reports, -Characteristics of Good Research Report, Pictures and Graphs, Research Ethics, Purpose of organizing seminars, conferences etc. Basics of computers and Computer languages, Logics and Reasoning.