



**ADMISSION
OPEN 2021-22**

**INFORMATION
BROCHURE**

PhD Program



ABOUT THE APEX GROUP

Sanjay ShikshaSamiti (SSS), an educational society serving the Nation for over 55 years, was established in 1965 by a group of distinguished luminaries of the society, belonging to the field of education, business & industry. It is the sponsoring body of the Apex University & Apex Group of Institutions in the State of Rajasthan. The professed aim and objective of the Society is to develop world class infrastructure facilities for imparting quality and value-based education to the students from School education to the Diploma, Graduate, Post graduate and Doctoral Level across diverse streams.

Apex University- The Apex University has been established by The Apex University, Jaipur Act and Gazette notified by the Government of Rajasthan vide Act No. 27 / 2018 that empowers Apex University to run Certificate, Diploma, UG /PG Degree and Ph.D programs in various disciplines as per Schedule II of the Apex University, Jaipur Act.

The University functions under the competent & able directions of the Chancellor, Dr. Ravi Juniwal. Apex University, Jaipur is governed by the Board of Management, Academic & other Councils, Statutes and Ordinances under the guidance of learned academicians, experienced administrators & Deans assisted by numerous other officers & staff members.

The multi-disciplinary university offers career-oriented courses at all levels, i.e. Certificate, Diploma, UG & PG and Doctoral program and across diverse streams, including Engineering, Fashion Design, Basic, Life and Applied Sciences, Law, Pharmaceutical Sciences, Humanities and Arts, Nursing and Para-Medical Science, Veterinary Sciences, Commerce & Management, Journalism & Mass Communication, Physical Education, Catering & Food Technology, Yoga & Naturopathy, Skill Development, Agriculture, Special Education etc

WHY RESEARCH AT APEX UNIVERSITY

Highly Qualified, Research Oriented and Experienced faculty members. Well-equipped state-of-art laboratories and resourceful library.

OVERVIEW

The PhD program at Apex University is strictly based on the new UGC guidelines for PhD Programs. The University envisages high standard of research to maintain the quality and relevance of PhD degree in the domain of contemporary research. The comprehensive objective of the PhD. Program in the Apex University is to prepare the students to pursue their research careers in R&D organizations, industries and academia through quality research of both basic and applied kind. Apex University is providing admission to the PhD for full-time & part-time research in different streams of Engineering, Fashion Design, Basic, Life and Applied Sciences, Law, Pharmaceutical Sciences, Humanities and Arts, Nursing and Para-Medical Science, Veterinary Sciences, Commerce & Management, Journalism & Mass Communication, Physical Education, Catering & Food Technology, Yoga & Naturopathy, Skill Development, Agriculture, Special Education etc



APPLICATION

Applications are invited from eligible candidates seeking admission to PhD Programs as per the following details:

S.No.	Semester / Session	Application Starts	Test
1.	Odd Semester (January - June 2021)	December 2020	January 2021
2.	Even Semester (July – December 2021)	May 2021	July 2021

SELECTION PROCESS

Selection of research scholars shall be based on the performance in both written test and interview to be conducted by the Apex University.

IMPORTANT DATES

The schedule mentioned below are tentative and are subject to change as & when such need arises:

Last date for on-line Submission of Application Forms & Requisite Fee. Apply Online: https://www.apexuniversity.co.in/doctorate.php	30 th December 2020
Date of Entrance Exam and Interview in all departments for PhD admission odd semester 2021-22	10 th January 2021
Result of PhD admission process will be declared	14 th January 2021
Reporting and joining date to the University	will be notified

*The dates may change based on the Prevailing Corona pandemic situation on these dates.



PhD RESEARCH AREAS

S.No.	Faculty	Specialization / Research Areas
1	Humanities and Arts	Economics
		Language (Rajasthani)
		Philosophy
		Psychology
		Sociology
		Public Administration
		History
		Geography
		Political Science
		Home Science
		Hindi
		Sanskrit
		English
		Urdu
2	Fashion & Design	Fashion Design
		Interior Design
3	Engineering & Technology	Civil Engineering
		Computer Science & Engineering
		Information Technology
4	Basic, Life & Applied Sciences	Botany
		Chemistry
		Mathematics
		Physics
		Zoology
5	Commerce & Management	Business Administration
		Commerce
		Management
6	Computer & IT	Computer Application
		Information Technology
		Data Science
		Cyber Security
7	Law	Corporate
		Criminal
8	Naturopathy & Yogic Sciences	Naturopathy
		Yogic Sciences
9	Pharmaceutical Sciences	Pharmaceutical Chemistry
		Pharmacology
		Pharmaceutics
		Pharmacognosy
		Pharmaceutical Analysis / Quality Assurance
10	Education	Physical Education
		Education

11	Agriculture	Agri-Business Management
		Agronomy
		Horticulture
		Plant Breeding & Genetics
12	Journalism & Mass Communication	Journalism
		Mass Communication
		Print Media
		Electronic Media
		Journalism for New Media
13	Library and Information science	Library
		Information science
		Knowledge management

ELIGIBILITY

I. Eligibility for Full Time PhD Program

1. Candidates who have qualified for the Master's degree from any academic institution recognized by UGC (with not less than 55% of marks, or equivalent CGPA and above in the 10-point scale) are eligible to register for PhD at Apex University.
2. A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for the candidates belonging to SC/ST/OBC (non-creamy layer)/Differently-abled and other categories of candidates as per the guidelines of the University Grants Commission from time to time, or for those who had obtained their Master's degree prior to 19th September, 1991. The eligibility marks of 55% (or an equivalent grade in a point scale wherever the grading system is followed) and the relaxation of 5% to the categories mentioned above are permissible only on the basis of the qualifying marks without including the grace mark procedures.
3. In case of candidates holding a qualifying degree from foreign universities/ institution, registration for PhD at Apex University will be confirmed after determination of equivalence by the Director Admission.
4. GPAT/JRF/GATE/NET/SLET/MPhil qualified candidates are exempted from Written Test. However, they will have to appear for interview. The eligibility of Certificate will be decided as per the guidelines issued by awarding agency.
5. A candidate would be allowed to register for PhD 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.

II. Eligibility for Part-Time PhD

1. The Applicant should possess the Minimum Entry Qualifications for the degree;
2. The Applicant proves that his/her official duties permit him/her to devote sufficient time to research; Necessary facilities for pursuing research are available at the Applicant's work place recognized for the chosen field of research.

ADMISSION PROCEDURE

Admission to the Ph.D. Program is offered to eligible candidates on the basis of a written examination and an interview. Consequently, all applicants who qualify in the written / Online examination have to appear for the personal interview on the same day or very next day. Candidates who have qualified for national level fellowships or equivalent valid fellowship in the relevant subject/discipline may be exempted from the written examination but not from the interview. No request for remote online interviews would be entertained.

University admits candidates by a two-stage process through Entrance Test and Personal Interview:

1. Entrance Test:

The Entrance Test shall be a single paper having two sections with total 100 Multiple Choice Questions (MCQs) 100 Marks and duration of test shall be 120 Minutes. The candidates shall be required to answer all questions. MCQs each carrying one mark, there will be no negative marking for wrong answers.

The Entrance Test Question Paper shall be divided in two Sections. (Language of question papers will be in English only)

- Section 'A' Research Methodology: Shall consist of 50 MCQs. (Syllabus As per Annexure -A)
- Section 'B' Subject Specific: This part shall contain 50 subjects specific MCQs based on Master degree level syllabus and are designed to test a candidate's knowledge of subject in which he/she has applied for admission in PhD Program.

2. Personal Interview:

All PhD candidates are required to bring Power Point Presentation (10-15 slides) of their research interest area before the Research Committee. The interview / viva-voce shall also consider the following aspects, viz. whether:

- The candidate possesses the competence for carrying out the proposed research;
- The research work can be suitably undertaken at the University;
- The proposed area of research can contribute to new/additional knowledge



FEE STRUCTURE

S.No.	Category	Registration Fee#	Annual Fee##
1.	Indian / SAARC Scholars	₹2,000	₹ 100,000
2.	Foreign/NRI Scholars	USD 300	USD 2142

One Time Payment at the time of Application (Non-Refundable).

Annual Fee Payment in two equal instalments; first at the time of admission and second by July 15, 2021.

HIGHLIGHTS ABOUT PhD PROGRAM

1. Date of Registration

The date of registration of the candidate shall be considered from the date of payment of annual fees notified by the Admission Cell. The registration period shall be effective until the last date of submission of Ph.D thesis.

2. Minimum and Maximum Degree Duration

Candidate will be given the time duration for submission of his / her Ph.D. thesis (from the date of registration) as per the details given below:

Category	Minimum Time Period	Maximum Time Period
Full Time scholars	3 years	6 years
Part Time Scholars	4.5 years	6 years

3. Attendance Requirement

Minimum 75% attendance is required during residency period.

4. Course Work

All candidates admitted to Ph. D. programs have to compulsorily do the course work assigned and shall be required to take a written examination for the same. Coursework period will ordinarily be of minimum six months duration. Scholars shall be required to undertake coursework for a minimum period of one semester, not exceeding one academic year from the date of the provisional registration.

5. Course Work Examination

Each candidate, on completion of course work, shall be required to take a course work examination which will test his/her comprehension or knowledge in his/her broad field of research and his/her academic preparation and potentials to carry out the research work. The course work examination shall be combination of both written and oral examinations and shall be conducted by the faculty. The candidate is required to qualify course work examination and qualifying criteria is 50% marks in examination.

RESEARCH SCHOLAR CATEGORY

Candidate applying for admission to the PhD Program shall apply under one of the categories given below. The PhD mode option (Full time/Part time) permitted against each category is also mentioned.

S.No.	Category of Research Scholar	Requirements
1	Regular Self - Financed Candidate : students, self-employed / non-working candidates. (PhD Full/ Part time based on employment status)	Academic Qualification as per eligibility criteria only
2	Sponsored Candidate: Sponsored candidates getting Government / Semi Govt. / Private or other Scholarships/ Fellowships /stipends, who apply for admission through the sponsoring organizations.	Other than Academic Documents <ul style="list-style-type: none"> • NOC from Sponsor • Sponsoring Letter • MoU if required from sponsoring body / institute
3	Corporate Research Scholar: Candidates working with reputed organizations in India and possessing minimum prescribed academic qualifications. (PhD Part time only)	Other than Academic Documents <ul style="list-style-type: none"> • NOC from Organization • Experience Certificate • MoU if required from Organization
4	Working Faculty outside Apex: Faculty members of other Universities /schools and recognized/ approved institutions/schools in India, possessing minimum prescribed academic qualifications. (PhD Part time only)	Other than Academic Documents <ul style="list-style-type: none"> • NOC from Organization • MoU if required from Organization
5	Regular Academic Staff of Apex: Regular academic staff of Department/ Constituent Units of Apex University (PhD Part time only)	Other than Academic Documents <ul style="list-style-type: none"> • Approval from Office of the Registrar
6	Regular Non-Academic Staff of Apex: Regular member of non-academic staff of the University and its Departments/ Constituent Units who satisfies eligibility	Other than Academic Documents <ul style="list-style-type: none"> • Approval from Office of the Registrar
7	A foreign national will apply under the foreign candidate category. (PhD Full/ Part time based on employment status)	As per UGC / AIU Norms for foreign nation students to study in India.

ANNEXURE-1

1. Syllabus for Section 'A' Research Methodology Paper:

This part shall contain 50 subjects specific MCQs based on given units below:

Unit-I Teaching Aptitude

- Teaching: Concept, Objectives, Levels of teaching (Memory, Understanding and Reflective), Characteristics and basic requirements.
- Learner's characteristics: Characteristics of adolescent and adult learners (Academic, Social, Emotional and Cognitive), Individual differences.
- Factors affecting teaching related to: Teacher, Learner, Support material, Instructional facilities, Learning environment and Institution.
- Methods of teaching in Institutions of higher learning: Teacher centered vs. Learner centered methods; Off-line vs. On-line methods (Swayam, Swayamprabha, MOOCs etc.).
- Teaching Support System: Traditional, Modern and ICT based.
- Evaluation Systems: Elements and Types of evaluation, Evaluation in Choice Based Credit System in Higher education, Computer based testing, Innovations in evaluation systems.

Unit-II Research Aptitude

- Research: Meaning, Types, and Characteristics, Positivism and Postpositivistic approach to research.
- Methods of Research: Experimental, Descriptive, Historical, Qualitative and Quantitative methods.
- Steps of Research.
- Thesis and Article writing: Format and styles of referencing.
- Application of ICT in research.
- Research ethics.

Unit-III Communication

- Communication: Meaning, types and characteristics of communication.
- Effective communication: Verbal and Non-verbal, Inter-Cultural and group communications, Classroom communication.
- Barriers to effective communication.
- Mass-Media and Society.

Unit-IV Mathematical Reasoning and Aptitude

- Types of reasoning.
- Number series, Letter series, Codes and Relationships.
- Mathematical Aptitude (Fraction, Time & Distance, Ratio, Proportion and Percentage, Profit and Loss, Interest and Discounting, Averages etc.).

Unit-V Logical Reasoning

- Understanding the structure of arguments: argument forms, structure of categorical propositions, Mood and Figure, Formal and Informal fallacies, Uses of language, Connotations and denotations of terms, Classical square of opposition.
- Evaluating and distinguishing deductive and inductive reasoning. Analogies.
- Venn diagram: Simple and multiple use for establishing validity of arguments.
- Indian Logic: Means of knowledge.
- Pramanas: Pratyaksha (Perception), Anumana (Inference), Upamana (Comparison), Shabda (Verbal testimony), Arthapatti (Implication) and Anupalabdhi (Non-apprehension). Structure and kinds of Anumana (inference), Vyapti (invariable relation), Hetvabhasas (fallacies of inference).

Unit-VI Data Interpretation

- Sources, acquisition and classification of Data.
- Quantitative and Qualitative Data.

- Graphical representation (Bar-chart, Histograms, Pie-chart, Table-chart and Line-chart) and mapping of Data.
- Data Interpretation.
- Data and Governance.

Unit-VII Information and Communication Technology (ICT)

- ICT: General abbreviations and terminology. Basics of Internet, Intranet, E-mail, Audio and Video-conferencing. Digital initiatives in higher education. ICT and Governance.

Unit-VIII Higher Education System

- Institutions of higher learning and education in ancient India. Evolution of higher learning and research in Post-Independence India. Oriental, Conventional and Non-conventional learning program in India. Professional, Technical and Skill Based education. Value education and environmental education. Policies, Governance, and Administration.

2. Syllabus for Section 'B' Subject Specific:

This part shall contain 50 subjects specific MCQs based on Master degree level syllabus and are designed to test a candidate's knowledge of subject in which he/she has applied for admission in PhD Program.





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