

# SHAHEED RAJGURU COLLEGE OF APPLIED SCIENCES FOR WOMEN

## FREQUENTLY ASKED QUESTIONS

### ADMISSION 2020

#### DEPARTMENT OF BIO-CHEMISTRY

#### **Q. What do we study in biochemistry?**

Biochemistry is the branch of science that explores the chemical processes within and related to living organisms. Biochemistry focuses on processes happening at the cellular and molecular level. It is a laboratory-based science program that brings together biology and chemistry. As biochemistry is inter-disciplinary science, so along with typical biochemistry papers you will also be taught various other papers like Human physiology, Genetics, Immunology, Cell biology, Molecular Biology, Recombinant DNA technology etc.

#### **Q. What is the scope of B.Sc. (H) Biochemistry for seeking job?**

B.Sc. degree in biochemistry can secure you a basic job nowadays, though you need a M.Sc. for most jobs and a Ph.D. for some. There are tremendous career opportunities for a biochemist in different fields (Industries, Education and Research). One can think of working with both public and private sectors.

#### **Q. What are different industries which offer jobs to Biochemists?**

Following Sectors offer job opportunities to biochemists:

- Clinical Laboratories
- Pharmaceutical companies
- Biotechnology Industries
- Medical Diagnostics Laboratories
- Chemical Industries
- Cosmetics companies
- Food and Drink industries
- Industrial Laboratories
- Forensic Laboratories
- Blood Services
- Fermentation and Beverage Industries

- Environment Agencies
- Scientific Publishers (Like Elsevier, Springer etc.)
- Quality control and safety section of different companies

**Q. Which of the biotechnology companies recruit biochemists?**

Some of the Top Biotech and pharma companies in India which also recruit biochemists are:

*Biocon, Serum Institute of India, Panacea Biotech Ltd, Dr Reddy's Laboratories Ltd, Wockhardt HCL Life Science, GlaxoSmithkline Pharmaceuticals Ltd, Bharat Serums and vaccines Ltd, Novozymes, Indian Immunologicals Ltd, Shanta Biotechnics Ltd, Sun Pharmaceuticals Industries Ltd, Thermo-fisher India and many more to come.*

**Q. What is the scope of research training during the three years course of B.Sc. (H) biochemistry?**

Our students do research internship during summer break in association with other reputed and renowned institutions. We also have self-funded on-going research projects in our department for undergraduate students in which students are enrolled under the supervision of faculty members each year.

**Q. Can we pursue MBA program after doing B.Sc. (H) Biochemistry?**

B.Sc. (Hons.) Biochemistry degree holders can further pursue their career in Master of Business Administration (MBA). It is two years post graduate degree program and is job oriented.

**Q. Can we pursue our career in teaching after doing B.Sc. (H) Biochemistry?**

For teaching at college/university level, you will have to pursue M.Sc. in Biochemistry and Ph.D. where you will have to also qualify CSIR NET life science exam after M.Sc.

**Q. Does your department organize educational visit for the students?**

Yes, every year we organize educational visits to several research institutions and industries to keep students up to date about modern developments in science.

**Q. Can one pursue post graduate degree from foreign university after doing B.Sc. (H) Biochemistry?**

Yes, one can pursue post graduate degree from foreign universities after completing graduation in biochemistry.

**Q. What are the courses we are eligible to do post-graduation after doing B.Sc. (H) Biochemistry?**

B.Sc. (Hons.) Biochemistry degree holders will be eligible for masters in the field of Biochemistry, Biotechnology, Life Sciences, Microbiology, Forensic Sciences, Bioinformatics, Environmental Sciences and other allied subjects.

**Q. Who are the faculties going to teach us?**

All the biochemistry faculties are doctorate (Ph.D.) from reputed institutions like AIIMS, JNU, ACBR (University of Delhi) and University of Delhi and are well aware of the possibilities and opportunities in their respective area of expertise.

**Q. What are the possibilities and opportunities after doing B.Sc. (H) Biochemistry?**

After finishing B.Sc. (Hons.) Biochemistry, there are ample job opportunities in the sector of academics, research and industry.

**DEPARTMENT OF BIO-MEDICAL STUDIES**

**Q. Why should I choose Biomedical Science at University of Delhi?**

B.Sc. Hons. Biomedical Sciences is suitable for those students who have a scientific bent of mind along with interest in experiments. This course is designed to provide students with a broad understanding of the scientific basis of human health and disease. Various medically related disciplines like Human Physiology, Genetics, Biochemistry, Immunology, Pathology and Microbiology are taught as core papers in the course. Subjects like Bioinformatics, Biophysics, Toxicology, Statistics, Biotechnology, Computational Biology and Medicinal Chemistry in the curriculum makes this truly interdisciplinary course which is the need for research in present scenario.

**Q. What are the admissions requirements for Biomedical Science stream?**

B.Sc. Hons. Biomedical Science is an undergraduate program, the duration of which is 3 years. Candidates must have passed 10+2 or any other equivalent examination in Science stream with Physics, Chemistry and Biology as compulsory subjects to seek admission to the course

**Q. What is the scope of Biomedical Science?**

Biomedical science is ever changing and very dynamic, hence offers exciting career opportunities in specialist laboratory work, consultant work, research, education and

management while serving the human society. The findings of the biomedical scientists are instrumental in making the advancements of modern medicine. However, the subject should not be considered as a substitute for Medicine

**Q. What are the opportunities for research?**

Students are encouraged to take up short term summer training programme at various Research Institutes. In the department many faculties are involved in research activities.

**Q. Can I pursue preparation of NEET along with Biomedical Science?**

It would be very difficult to do both the studies simultaneously.

**DEPARTMENT OF CHEMISTRY**

**Q. What are the options available for Generic Elective paper? How many Generic Elective papers do I have to study?**

The college offers Physics, Mathematics and Computer Science as Generic Elective papers. In total, 4 papers have to be studied in the first 2 years: 1 paper per semester.

**Q. Which Generic Elective paper should I choose?**

In order to be eligible to pursue M.Sc. Chemistry from University of Delhi, 2 Mathematics papers are mandatory. Hence, we suggest opting for Mathematics Generic Elective paper in first 2 semesters.

**Q. What are the various extracurricular activities offered by the college?**

The college has an active chemical society which organizes seminars and workshops. In addition to this, annual technical fest is also held. The college also has active dance, music, dramatics, fine arts, sports, eco club, NSS societies, to name a few. These societies aid in holistic development of the student.

**Q. What career options do I have after Bachelors degree in Chemistry?**

There are many opportunities available. Apart from pursuing Masters programme in Chemistry, students are also eligible to pursue Masters programme in Biochemistry / Forensic Sciences / M.CA. / M.B.A / L.L.B / B.Ed. / Government examinations (S.S.C, etc.). Students may pursue Masters programme both from India and abroad.

**Q. Does the college offer research opportunities?**

Yes, summer internships are conducted during summer vacations. Many students have been actively involved in various research projects.

## DEPARTMENT OF COMPUTER SCIENCE

**Q. Students migrating from Commerce and Humanities stream(if having maths in +2) are eager to know if any constant would be subtracted from their best of four percentage while migrating to a science-based course namely Computer Science(H).**

60% or more marks in aggregate of four subjects including Mathematics, one language and any two of Physics, Chemistry and Computer Science/ Informatics Practices. Applicants from other streams (with Mathematics in Class XII), will have a disadvantage of 2% in aggregate of required four subjects.

**Q. In the best of four (1 language + 3 academic subjects), can the English language be replaced by Hindi/ Punjabi/Sanskrit, etc?**

Merit will be calculated based on “Best Four” of Mathematics, one language and two other subjects listed as academic /elective subjects, as specified in List A and List B mentioned in bulletin of information for admission to undergraduate courses (2020-2021).

**Q. Can biology be included in best of four, instead of Physics/ Chemistry or in other words few of them have least marks in Maths, so can they exclude Maths?**

Mathematics cannot be excluded and 60% or more marks are required in Mathematics.

## DEPARTMENT OF ELECTRONICS

**Q. What is the admission criterion to opt for B.Sc. (H) Electronics?**

The overall percentage in Physics, Chemistry and Mathematics should be 55% or more and 50% or more marks in one compulsory language. Selection will be made on the basis of aggregate marks in 3 subjects i.e. Physics, Chemistry and Mathematics.

**Q. I did not have Mathematics in Class XII. Can I opt for Electronics (H)?**

No, you cannot opt for Electronics (H) without having studied Mathematics in Class XII.

**Q. What are the prospects of students after completion of degree in B.Sc. (H) Electronics?**

Students are eligible for entry in the industry through recruiters like Wipro, TCS, and Infosys etc. They can also opt for pursuing higher studies in M.Sc. Electronics, M.Sc. CS/IT/Physics, MCA, MBA and other courses.

**Q. Does Electronics department offer generic papers?**

Yes, Electronics department offers generic papers to students of other departments.

**Q. What are the laboratories and other facilities available in Electronics Department?**

There are eight well equipped laboratories including one research lab. The Department also has a small library/book club and a reading room. Students use this facility during practical's and otherwise.

**Q. Are there any ICT facility available in the department?**

Yes, the Department is fully Wi-Fi enabled. It has about 40 systems with LAN connectivity through which internet can be accessed by both staff and students.

## **DEPARTMENT OF FOOD TECHNOLOGY**

**Q. What is Food Technology all about?**

It's a post-harvest technology; Farm to Fork process. It involves various unit operations done by machines in industry.

**Q. What are the job prospects after doing graduation in food technology?**

You have a wide variety of options in different Food Processing Companies, Food Processing Operators, Food Handle, Food Inspector, Food Quality Assurance. You can even become a Microbiologist, or go into Research and Development (R&D) in Food Research Laboratories, Food Packaging Industries, etc. You even have a scope for becoming an Entrepreneur.

**Q. What pay can we expect after completing our studies?**

You normally earn around Rs 20000+ after graduation and Rs 30000+ after post-graduation

**Q. there any government jobs related to this subject?**

Yes, there are options for a government job also like; Food Corporation of India (FCI), Food Safety and Standards Authority of India (FSSAI), Food safety inspector, Food Safety officer etc.

### **Q. From where can we do Masters in Food Technology?**

There is no scope for masters in Delhi. However, several other universities and institutes offer it like; Central Food Technological Research Institute (CFTRI), Agricultural University, PGDM in agribusiness from Indian Institutes of Management (IIM), Postgraduate Diploma in Packaging (PGDP) from Indian Institute of Packaging.

## **DEPARTMENT OF INSTRUMENTATION**

### **Q. What is B.Sc. (H) Instrumentation?**

B.Sc. (Hons) Instrumentation is a specialized branch of physical sciences which caters to study of measurement in physical, chemical, biological sciences along with medical and engineering sciences. It is a professional course which is designed to develop skills which imparts knowledge in science and technology of measurement and control.

### **Q. What is the scope after B.Sc. (H) Instrumentation?**

There are various scopes for students after graduation like M.Sc. Biomedical Instrumentation, M.Sc. Analytical Instrumentation, M.Sc. Electronics, M.Sc. Biotechnology, M.Sc. Genetics, M.C.A, M.B.A, M.Sc. Pharmaceutical Chemistry, M.Sc. Clinical Research

### **Q. Which industries recruit students of B.Sc. (H) Instrumentation?**

B.Sc. (Hons) Instrumentation course curriculum empowers the graduates to design, construct and maintain the entire instrumentation system of any industrial undertaking of national and global standards.

## **DEPARTMENT OF MANAGEMENT AND FINANCIAL STUDIES**

### **Q. What are the complimented professional courses that I can pursue after BMS and BBA (FIA)?**

One can pursue variety of professional courses, few of which have been enlisted below:

- BMS - MBA, Actuarial Sciences, CA, CFA, Data analytics
- BBA(FIA) - MBA, CFA, CFP, Data analytics, Actuarial Sciences, FRM, Financial Modelling

### **Q. What are the job prospects emanating from graduating in BMS and BBA(FIA)?**

In general job emanating from the courses lie in various fields like digital marketing, banking and financial services, consultancy, risk management, stock trading etc. and will be dependent on the specialization student opts for in case of BMS Course while aforementioned finance specific fields in case of BBA(FIA).

**Q. How accessible is the faculty to the students?**

Students will have the opportunity to interact with faculties very often while involving in various activities. Faculties are there to support students throughout their BBA(FIA) / BMS journey and are very much available outside the class timings to discuss any issue. Further each student is assigned one teacher as mentor whom they can contact in case they face any problem.

**Q. Does the course BBA(FIA)/ BMS have practical orientation?**

While pursuing research in their own field of interest, students can consult the faculties who can act as consultants, mentors for the research. Case study approach, simulation activities and various other student driven subject specific activities are carried out to acquaint students with their practical applicability. Further taking up internship opportunities in diverse areas that comes their way also give them requisite exposure. These activities help to maintain the practical relevance of the courses.

**Q. Is there a choice for specialization? If yes then what are those?**

BBA(FIA) is itself a specialization in finance, while BMS offers specialization in the third year in Marketing, Finance, Human Resource Management and Management of Global Business.

**Q. Does the BBA(FIA) curriculum only has finance or we get insights of marketing and HRM as well?**

BBA(FIA) is a course highly engrossed into Finance from second year on. You should pursue this course if you are interested in the field of finance and want to build a life around financial sector and financial services. However, with the provision of selecting a general elective paper every semester, you stand a chance to opt for unrelated or inter-disciplinary subjects such as marketing, finance, data science etc.

**Q. BBA(FIA) is termed as DU offering BBA, so is the curriculum different and unique?**

BBA courses offered under other universities provide students with knowledge around diverse business domains and students choose for their specialization only in final year. The BBA offered by DU named as BBA(FIA) is a finance oriented bachelor's degree where students get

insights of financial instruments and markets, investment banking industry, portfolio management, corporate valuations and other finance specific domains.

**Q. Can I opt Hindi as a medium of language to pursue BMS/BBA(FIA)?**

No, the BMS and BBA(FIA) courses are available only in English medium.

**Q. What are the General Elective(GE) options available for me?**

A student of BBA(FIA) can opt for any GE paper floated by the college except for **“Business Ethics and Corporate Governance”** paper as it is being offered from BBA(FIA) curriculum only. Similarly, a student of BMS can opt for any GE paper floated by the college except for **“Fundamentals of Marketing Management”** paper as it is being offered from BMS curriculum only

**Q. What is the scope of Fundamentals of Marketing Management as General Elective?**

Marketing as a subject is very essential nowadays, a student has to prepare throughout the college life to market himself in the job interviews. Marketing as a Generic Elective will help in building a basic understanding of marketing management decisions by taking into account the various aspects such as marketing mix, elements, etc. This subject also helps in understanding how the corporates work to achieve a successful product or a service positioning.

**Q. What is the scope of Digital Marketing as General Elective?**

Internet is becoming accessible for everyone and the users are increasing everyday around the world. Marketing has always been the concept of engaging with your customers and making a connection and when most of the customer base is present online, there is a need for the brand to connect with their customers over the web and have an online presence. That’s where the role of Digital Marketing comes.

With Digital Marketing, a brand can reach enormous number of audience via various social media platforms and connect with them. Building a brand is as important as promoting a brand, therefore studying Digital Marketing will make you competent of how marketing works in the 21st century and how to promote your brand systematically through SEO, Facebook, Instagram and many more. This subject comprises of both practical and theoretical knowledge and every concept will be taught via case studies to widen the horizons of students.

**Q. What is the scope of Business Ethics and Corporate Governance as General Elective?**

This subject emphasizes the importance of ethical principles in overcoming ethical dilemmas in the highly dynamic business world of today.

It is an ideal subject for the budding entrepreneurs who wish to understand business ethics and the working of corporate bodies. I think one should explore this subject. It will help in overall growth both as in individual and business perspective. Studying business ethics will change your outlook and will influence your behavior. Studying business ethics will help you weigh the potential consequences of your business decisions, and it will teach you to make moral distinctions and avoid common fallacies that people often fall into when making decisions. The subject makes the student learn about functioning in a corporate structure which is very beneficial in today's fast changing world.

Studying Corporate Social Responsibility program can entice the students to try the business, and it's a great way to create loyalty. One understands that CSR can impact the bottom line. Improved reputation and loyalty can lead to better revenue. But, it is really important to understand that CSR efforts can also save you money by driving efficiency in your business operations.

Business Ethics and Corporate Governance includes studying scams from the depth. The students will get to solve case-studies related to the scams. It is beneficial in many ways:

- Ethical values play a vital role in a person's life. The ultimate motive behind teaching these scams is to make the students understand that usually people do fall for such short-term sources of money, fame and happiness. But it destroys everything.
- Students of today, have to face Case-Studies everywhere whether it is a competition, higher studies or a job interview. Through this subject, they will learn the essence to solve case studies and they can make the best use of this skill.

#### **Q. What is the scope of Business Organization and Management as General Elective?**

Wherever there is human activity, there is management. Without efficient management, the objectives of the job-in hand cannot be achieved. Thus, the course aims to familiarize the students with the world of business organization and management. After completing the course, the student shall be able to learn business activities to compete in competitive world; understand entrepreneurship from local to international perspective; evaluate the application of functional areas of business activity; analyze decision making and communication; and evaluate the impact of legal, social, and economic environment on business.

## DEPARTMENT OF MATHEMATICS

**Q. What is the criterion for calculating the marks of the best four subjects for taking admission in B.Sc.(H) Mathematics?**

To take admission in B.Sc.(H) Mathematics, one should meet the following requirements:

- 50% marks in Mathematics and an aggregate of 45% marks in the qualifying examination.
- The Merit shall be determined on the basis of one language, Mathematics and two best elective/academic subjects.

**Q. Can I include physical education in my marks while calculating the percentage for best four subjects?**

Yes, you can include the marks of physical education in your best four subjects. However, in that case 2.5% will be deducted from your aggregate percentage.

**Q. Can two languages be counted in best four subjects for taking admission in B.Sc.(H) Mathematics?**

No, only one core language can be considered while calculating the marks of best four subjects for taking admission in B.Sc.(H) Mathematics.

**Q. Can a student apply for B.Sc.(H) Mathematics without studying Mathematics in higher secondary?**

No, a student cannot apply for B.Sc.(H) Mathematics without studying Mathematics in higher secondary as it is a mandatory subject in the calculation of best four subjects.

**Q. How many papers a student studies in B.Sc.(H) Mathematics?**

In total, student studies 23 papers in their undergraduate programme. Out of 23 papers, there are 13 core papers, 2 skill enhancement papers, 4 discipline selective papers and 4 generic elective papers.

**Q. How can I select a Generic Elective paper?**

Generic elective papers are offered to the students in semester I, II, III and IV. The GE papers being offered by various departments of the college are floated on the college website. Based on the interest, a student will be given a choice to choose any one paper in each semester,

offered by the other departments of the college including, Instrumentation, Electronics, Physics, Chemistry, Computer Science, Biomedical Science, Psychology etc. Then the student will be allotted a generic elective paper based on the merit cum preference basis.

**Q. Is there any practical related paper in B.Sc.(H) Mathematics?**

Yes, a B.Sc.(H) Mathematics student studies one/two theory papers which include practical in each semester.

**Q. What is included in practical paper in B.Sc.(H) Mathematics?**

In a practical paper, the students study theory as well as practical which includes practical based questions to be solved in a mathematical software.

**Q. What are the opportunities for higher studies after completing B.Sc.(H) Mathematics?**

After completing B.Sc.(H) Mathematics, a student can opt for various fields to pursue higher education such as M.Sc. Mathematics, M.Sc. Operational Research, MBA, MCA, UPSC and others.

**Q. Can a student of B.Sc.(H) Mathematics give an MCA/MBA entrance exam?**

Yes, a student can give the entrance exam of MBA/MCA after doing B.Sc.(H) Mathematics.

**Q. Does a B.Sc.(H) Mathematics student study papers other than mathematics?**

Yes, the students of B.Sc.(H) Mathematics study four generic elective papers in their undergraduate programme which are different from mathematics.

## **DEPARTMENT OF MICROBIOLOGY**

**Q. What is B.Sc (H) Microbiology course about?**

B.Sc. Microbiology is an undergraduate degree that involves the study of microorganisms. This course comprises both practical and theoretical subjects. Microbiology is the study of the biology of bacteria, viruses, protozoa, algae and fungi. The program focuses on studying the physiology, ecology and genetics of these organisms as well as their significance and applications in varied fields such as industry and medicine. The course requires knowledge of biology and chemistry. Microbiologists are needed to do the research for battling various infectious diseases, understanding the environmental importance of microbes and to exploit them for food production, biotechnological and industrial applications.

**Q. What are the career prospects after pursuing B.Sc.(H) Microbiology course?**

Microbiologists are sought after in the field of Medical Research, Quality Control in addition to food and biotechnology industry. They can get jobs as researchers working in Universities, Pharmaceutical and Bioscience companies and institutes. B.Sc. Microbiology graduates also move forward in laboratory-based careers in clinical or technical roles not involving research. Microbiology graduates will be able to find jobs in various sectors including government and private hospitals, food industries, research and development organizations, chemical industries, and pharmaceutical industries. B.Sc. Microbiology offers numerous lucrative career options and you can choose according to your skills and areas of interest. You can go for higher studies or you can also opt for a job.

**Q. How tough is the B.Sc. (H) Microbiology course?**

B.Sc. (H) Microbiology course is not at all tough. However, one needs to be regular with the classes and practical work to do well.

**DEPARTMENT OF PHYSICAL EDUCATION**

**Q. Which sports/games are included under sports category for the UG admissions 2020 in your college?**

The College is offering admission in sports category under the following sports: Badminton, Basketball, Boxing, Chess, Kho Kho, Volleyball and Table Tennis.

**Q. What is the procedure for admission under sports category in your college?**

The admission will be done according to the rules and regulations adopted by the university of Delhi. Please visit DU website: [www.du.ac.in](http://www.du.ac.in) for updates.

**Q. What are the sports facilities/ infrastructure in your college?**

The College provides sports facilities as follows:

*Athletics ground, Aerobics, Badminton Court, Basketball, Chess, Kho-Kho Ground, Volleyball, Table Tennis and Yoga.* Well qualified coaches are provided sports training in these games.

**DEPARTMENT OF PHYSICS**

**Q. What is the selection basis for taking admission in B.Sc. (Hons.) Physics?**

Selection will be made on the basis of aggregate marks in 3 Science Subjects i.e. Physics, Chemistry and Mathematics (PCM) only.

**Q. I didn't have Computer Science in my Secondary School, but when I checked the syllabus, the laboratory experiments of some papers contain computer programming like Scilab, C++, FORTRAN, LaTeX, Gnuplot etc. What should I do?**

A student who didn't have Computer Science in Secondary school need not worry because prior knowledge of computer science is not required, though it will be an advantage. Students are first taught the introductory and basic concepts followed by the applications in solving physics problems, which can be easily managed by any science students.

**Q. What are the career opportunities after B.Sc. (H) Physics in the field of Physics?**

Since Physics, by nature, is a research-oriented discipline, the course is basically designed to prepare students for a career in research. So, the most logical/recommended progression after B.Sc. (H) Physics is to pursue higher studies in Physics. Students can pursue M.Sc. Physics followed by Ph.D. in Physics or directly pursue an integrated Ph.D. in Physics offered by many prestigious Universities and Institutes in India and abroad.

Many Research Labs in India such as ISRO, DRDO, BARC, NPL etc. offer opportunity as a Scientist to those who have done M.Sc. or Ph.D. in Physics. A post graduate student becomes eligible for the post of Assistant Professor in various universities and institutes in India after clearing UGC – NET exam. After B.Sc. (H) Physics, students can pursue B.Ed. and then become a science teacher. Students can also apply for Physics Lab Assistant post in various Universities and Institutes in India.

**Q. What are the career and job opportunities after B.Sc. (H) Physics outside the field of Physics?**

A graduate student in B.Sc. (H) Physics is eligible for taking competitive exams for civil services, Railways, Banking sector, Insurance sector, SSC etc. Students can also appear for Job interview offered by various Corporate/companies, organized through the College Placement Cell. Students also develop computational skills such as Scilab, FORTRAN, C, C++ etc. which are part of the course along with gaining enough mathematical and statistical exposure. With this knowledge and skills, students can also pursue highly demanded and job-fetching courses such as Statistics and Data Analytics, Data Science, Actuarial Science, MCA, Business and Management, MBA, Econometrics etc.

**Q. Are there any research elements in the curriculum of B.Sc. (H) Physics?**

Research project may be given in Discipline Specific Elective (DSE) papers or Project work/Dissertation offered in final year (3<sup>rd</sup> year) involving application of classroom (theoretical) knowledge in solving/analysing/exploring a real-life situation/difficult problem.

**Q. Are students exposed to research environment during their under graduate program in Physics?**

In every Semester, the Department of Physics organizes an educational visit to prestigious Research Laboratories in Delhi such as IUAC, NPL, Nehru Planetarium etc. so that students can have a glimpse of the many fascinating research works and activities carried out in Physics. Students also will get the opportunity to interact with the Research Scholars, Professors and Scientists working in those Research laboratories.

The Department regularly organizes talks/lectures on various relevant and cutting-edge topics in Physics delivered by eminent Physicists and Scientists. During and post-talks, students are free to interact with the Speakers. The Department also encourages students to undertake Summer/Winter Internship and Research Project offered by Various Research Institutes across India where students will get the opportunity to work on some Hands-on Research Projects.

**Q. Which GE is best suited for BSc (H) Physics?**

For students of B.Sc. (H) Physics having a desire to pursue higher studies and research in Physics, Mathematics is highly recommended for GE because Mathematics, being the language and tool of Physics, would be of great help in the course, especially while seeking admission for M.Sc. or other research related courses.

**Q. How are students evaluated for Internal Assessment marks in Theory?**

Internal Assessment is an integral part of each paper to assess the performance of a student on a regular basis. These are based upon the performance of the student in written tests, written assignments and miscellaneous which may include attendance, class performance, student's interest/passion in the course, discipline/character etc.

## **DEPARTMENT OF PSYCHOLOGY**

**Q. What is Psychology? What are the fields associated with Psychology?**

Psychology is the study of mind and behavior. It is a discipline which embraces all aspects of the human experience- from the functions of the brain to the actions of the nations, from child development to care for the aged. In every conceivable setting from scientific research centers to mental healthcare services, 'the understanding of behavior' is the enterprise of

psychologists. A psychology degree is a great starting point for your career, as it equips you with a range of skills and opens up opportunities with a variety of employers. Jobs directly related to your degree include: Clinical psychologist; Counselling psychologist; Forensic psychologist; Teacher; Health psychologist; Occupational psychologist; Psychological wellbeing practitioner; organizational Psychologist and Sport psychologist.

**Q. Give an overview of B.A. (Hons.) Psychology course.**

B.A. (Hons.) Psychology is a three-year full-time undergraduate program. This program is divided into six semesters. The curriculum has been designed to provide theoretical knowledge and applied knowledge in the various sub-domains of Psychology viz; Foundations of Psychology, Social and Cultural Psychology, Clinical Psychology, Life Span development, Organizational Behavior, Statistics, Research Methodology, and Bio-Psychology.

**Q. Do we get to specialize or major in any one specific area of Psychology?**

Specialization in any one area does not take place at the undergraduate level.

**Q. What is the difference between B.A. (Hons.) Psychology and B.A. (Hons.) Applied Psychology?**

B.A. (Hons.) Psychology has an overview of all the major subfields of psychology whereas Applied psychology focuses more on practical analysis. Both give an overview of the theory but B. A. (Hons.) Psychology gives a stronger theoretical grounding with some practical exposure.

**Q. What are the career possibilities after B.A. (Hons.) Psychology?**

You can work as a psychologist in different sectors like in defense forces, advertising industry, vocational rehabilitation centres, research associate in NGO's, hospitals, MNCs in HR, and avail various entry-level opportunities in fields of mental health and industries.

**Q. Do B.A. (Hons.) Psychology at Shaheed Rajguru College of Applied Sciences for Women will offer any practical experience to me in the field of Psychology?**

Yes, B.A. (Hons.) Psychology curriculum includes practicals in which theory is coupled with practical exposure to the field. The practicals involve observing a psychological phenomenon and their analysis in the desired population in varied setups like clinics, N.G.O's, organizations, child care centers, etc. Furthermore, the Psychology Department of our college has an academic society named 'Psymentia' which actively organizes various activities like workshops and seminars by eminent Psychologists for the students.

**Q. What are the advantages of doing B.A. (Hons.) Psychology?**

The B.A. (Hons.) Psychology program facilitates students in transferring psychological knowledge to innovative contexts and developing scientific, critical, and restrained attitude required for managing crises. You learn psychological concepts through a mixture of lectures, seminars, workshops, group tutorials, individual tutorials, guided independent study, and self-directed study. Hence, our graduates can go on to a wide range of promising careers within and beyond the field of psychology. Additionally, the students are guided and mentored for internship opportunities allowing them to gain psychological skills and training. The program provides skills in psychological assessment, market, consumer research, and statistical and research methodology to prepare students for post-graduation programs in India and abroad.

**Q. Can I take Psychology as GE in Psychology Hons.?**

No, you can only opt for some other subject as GE, offered by other departments.

**Q. What is the minimum eligibility criterion for admissions in B.A. (Hons.) Psychology?**

An aggregate of 45% marks in the qualifying examination. The merit shall be determined on the basis of one language and three best academic/elective subjects.