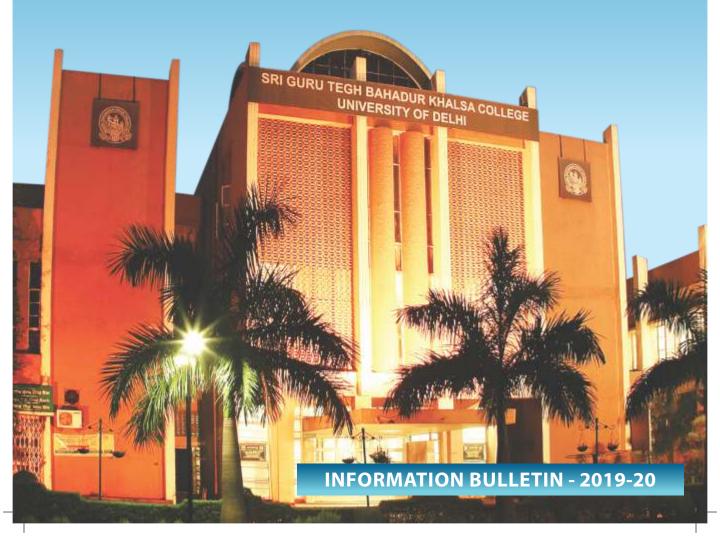


# SRI GURU TEGH BAHADUR KHALSA COLLEGE UNIVERSITY OF DELHI NAAC Accredited With Grade "A"





Sri Guru Tegh Bahadur (1621-1675)

ਭੈ ਕਾਹੂ ਕਉ ਦੇਤ ਨਹਿ ਨਹਿ ਭੈ ਮਾਨਤ ਆਨ॥ ਕਹ ਨਾਨਕ ਸਨਿ ਰੇ ਮਨਾ ਗਿਆਨੀ ਤਾਹਿ ਬਖਾਨਿ।

He, who fears no one, nor makes others afraid: Says Nanak, he alone is wise, O mind, he alone knows his God.

# **TABLE OF CONTENTS**

1	About The College	1
	Message from the President (DSGMC)	2
	Message from the General Secretary (DSGMC)	3
	Message from the Chairman	4
	Message from the Principal	5
2	College Infrastructure	6
_	Library	6
	Sports	7
	Classrooms	8
	Laboratories	8
	Internet Access	8
	Girl's Hostel	8
	College canteen	8
	Equal Opportunity Cell	8
	Auditorium and Seminar Hall	9
	Sri Guru Har Rai Botanical Garden	9
		9
	Security Bank	9
	Science Research Centre	10 11
	Centre for E- Learning	
	Guru Angad Dev Teaching Learning Centre	11
2	National Resource Centre of Chemistry	11
3	Faculty	12-13
4	College Committees	13
4	Subjects and Course Structure	14
	Three Year Undergraduate and Postgraduate Programmes	14
	Diploma and Certificate Courses	15-10
	Structure of Choice Based Credit System	17
	Details of Papers	17
	BA English (H)	18
	BA Hindi (H)	18
	BA Punjabi (H)	19
	BA Economics (H)	20
	BA History (H)	20
	BA Political Science (H)	21
	B.Com (H)	22
	B.Com	23
	B.Sc Botany (H)	23
	B.Sc Electronics (H)	24
	B.Sc Chemistry (H)	24
	B.Sc Mathematics (H)	25
	B.Sc Physics (H)	25
	B.Sc Zoology (H)	26
	B.Sc Life Sciences	26
	B.Sc Computer Science (H)	27
5	Fee Details	28-29
6	Undergraduate Admissions 2019-20	30
	Merit-based Undergraduate Courses	30-35
	List of Academic Subjects	30-33
	Entrance-based Admissions	36
	Reservation	37-38
	Extra Curricular and Sports Quota	39-42
	Admission of Foreign Applicant	42
	Requirements for Admission	43-45
	List of Documents required	45
	Admission Grievance Committees	45
	Withdrawal from College	46

7	Academic Rules and Related Information	47-49
	Attendance	47
	Leave on Medical grounds	47
	University Guidelines for Attendance	47-49
	Maintenance of Discipline	49
	Identity cum Library Card	49
	Removal	49
8	Grievances Redressal Mechanism	50
	Grievances Redressal Committee	50
	Prohibition and Punishment for Ragging	50
	Policy Against Sexual Harassment	50
9	Internal Assessment and Examination	51-52
	Internal Assessment	51
	Practical Examination	51
	Promotion Rules	51
	Span Period	52
	Reappearance	52
	Grades	52
	Issue of Transcripts	52
10	Co-Curricular and Extra-Curricular Avenues	53-54
	National Cadet Corps (NCC)	53
	National Service Scheme (NSS)	53
	College Societies	53
	Anhad-Divinity Society	54
	College Magazine	54
11	Awards and Scholarships	55-56
	Awards for Sports	55
	Awards for Kirtan	55
	Awards for NCC/NSS	55
	Awards and Scholarships for Academics	56
12	Achievements 2018-19	57-58
	Academic Results (2018-19)	57
	Sports Achievements	57
	Academic Progress of Students	58
13	Orientation Program and Contact Information	59

# SRI GURU TEGH BAHADUR KHALSA COLLEGE



🖣 ri Guru Tegh Bahadur Khalsa College; NAAC accredited with Grade 'A' and NIRF ranking 28, was established in the year 1951 by Delhi Sikh Gurudwara Management Committee. It is a constituent College of University of Delhi. It endeavours to indoctrinate the ideals of self-sacrifice and service among the youth. It is named after the ninth Guru, who laid down his life to uphold freedom of belief and conscience and whose sacrifice and martyrdom for secular values are unique in the annals of history. The College had a modest beginning and functioned from the building of Sri Tegh Bahadur Khalsa School at Dev Nagar (Karol Bagh). In 1973, it shifted to its present premises in the North Campus. The College has evolved into a prestigious institution with magnificent infrastructure. Our Sant Longowal sports complex, excellent playgrounds, well-equipped Mata Gujri library, well-maintained laboratories and technologically upgraded computer centres, state-of-the-art Auditorium and Seminar Hall, are a matter of pride. The centre for e-learning has been set up by the UGC in the college. Guru Angad Dev-Teaching Learning Centre (GAD-TLC); a centre of MHRD, Govt. of India has been awarded National Resource Centre of Chemistry. The College has established a Science Research Centre to promote research activities at the undergraduate level. Apart from being a centre of excellence in higher education in Arts, Commerce, Social Sciences, Physical Sciences and Biological Sciences, the institution takes pride in promoting Punjabi language and culture. The college has Mata Gujri Girls' Hostel to provide accommodation to 150 students.



President's Message

S. Manjinder Singh Sirsa

MLA, Delhi
President
Delhi Sikh Gurudwara Management Committee (DSGMC)

ri Guru Tegh Bahadur Khalsa College was established in 1951 and is maintained by the apex body of the Sikhs, the Delhi Sikh Gurudwara Management Committee, Delhi, a statutory body created under an act of Parliament. The main purpose for establishing the College was to ensure a comprehensive, social, political and economic transformation through access to the quality education to the masses.

The college has for decades attracted talented students who have made valuable contribution to the civil society in academics and sports. I too am proud to be an alumnus of this institute and be associated with it.

Our constant endeavour is to create an ambience in the campus propitious for academic, physical, spiritual and moral development of the students. Strict discipline is maintained within the campus.

The college has always aimed to promote a skill-based development of students who can effortlessly integrate into the demands of a changing society. We have always encouraged students to actively take part in sports and co-curricular activities. It is a matter of pride for us that we have many societies in the college, ranging from Photography, Debates and Discussion, Painting, Poetry and MUN that have helped students to harness their creative and aesthetic potentials.

 $I\ can \ proudly\ say\ that\ the\ college\ doesn't\ just\ produce\ graduates,\ but\ excellent\ citizens\ for\ the\ nation.$ 

I wish all the admitted students best of luck, and hope their stay in this institute is as rewarding for them as for the college.



General Secretary's Message

S. Harmeet Singh Kalka General Secretary Delhi Sikh Gurudwara Management Committee (DSGMC)

🧻 ri Guru Tegh Bahadur Khalsa College, University of Delhi, was established in 1951 to provide higher education to the displaced persons in the aftermath of partition of the country in 1947. Delhi Sikh Gurudwara Management Committee has for years ensured sufficient allocation of resources to promote education among students of different faiths. The college has been named after the ninth Guru, Sri Guru Tegh Bahadur Sahib, to propagate the great Guru's cherished ideals of service and self-sacrifice amongst the youth with the motto March Forward.

Through the passing years, the College has striven towards building an excellent, highly developed teaching and learning environment for generations of students to be best in their fields. Our results in academics have been impressive and, in some courses, we rank with the best in the University of Delhi. We have also excelled in the field of sports and extra-curricular activities.

The college has a distinguished teaching staff who have either completed their Ph.D or M.Phil and have also published widely to contribute towards the field of knowledge in society. The college has on its roll students from all over the country and abroad. For years we have been successfully organizing National and International seminars, conferences, professional development programes for students and teachers as an integral part of the academic programs offered by us.

To promote Punjabi language, we give preference in admissions to students who wish to study this language.

Our motto has always been to serve humanity with humility and dedication. Delhi Sikh Gurudwara Management Committee wants to ensure that talented students from economically weaker sections also get equal opportunities in higher education and development of their skills and personalities. Generous scholarships are given to students of all communities and also to those who are either physically or visually challenged so that they can pursue their higher studies and contribute towards society.



Chairman's Message

S. Tarlochan Singh

Former Member of Parliament (Rajya Sabha)

Former Chairman, National Minorities Commission of India

Fi Guru Tegh Bahadur Khalsa College endeavours to promote the message of service and sacrifice with humility propounded by the Great Gurus. In a world torn by internecine strife, Sri Guru Tegh Bhadur's message of freedom of worship can become a guiding principle to restore peace and harmony amongst warring nations and communities.

Sri Guru Tegh Bahadur Khalsa College started in July 1951, with admissions to under-graduate courses in Economics, History, Mathematics, Political Science and preparatory courses. The pre-medical stream was introduced from the next session. Archives reveal that our first batch of students appeared in the University of Delhi examinations, in 1952.

In the initial year, we began with 49 students and a faculty of six teachers. Today the college has on its roll over 3000 students from all over India as well as other countries. Full credit goes to the distinguished office-bearers and members of the Delhi Sikh Gurudwara Management Committee, for rapidly improving the infrastructure and facilities at SGTB Khalsa College.

I extend my best wishes to the students seeking admission to this college.



Principal's Message

**Dr. Jaswinder Singh** Principal SGTB Khalsa College



seven years of existence has emerged as one of the leading institutions of higher learning with twenty one Undergraduate programmes and twelve Masters programmes in sciences, social sciences and humanities. "Manas ki Jaat Sabhai Eke Pehchano" (All Human Races are one) has been the guiding principle of our College. Over these years, it has served the underprivileged and minority communities by transforming the students of these sections into informed and vibrant individuals through education.

The college has always maintained an excellent amalgamation of modernity and tradition. To meet the contemporary requirements, the College has been providing education in professional courses. In keeping with the needs of the day and age, the college has also established a 'Centre for E-Learning' with an aim to generate high quality, multimedia enriched e-learning solutions for enhancing the quality of education. The college library has also been upgraded to accommodate a more comfortable reading space for students and teachers alike with computers and Wi-Fi services at their disposal for research purposes. In the present globalized environment, our students are also trained in various languages through certificate courses in German, Russian, Spanish, Chinese, Korean, French and Japanese.

The College runs many research projects, awarded by the University of Delhi, UGC, DRDO and the Department of Science and Technology. Many teachers are assisting students in their doctorate research. These teachers have now extended their work and included undergraduate students in their research, enabling them to learn and become part of the research. To enhance their knowledge and employability, students are encouraged to take up assignments and training in the corporate sector and in the universities in India and abroad during the vacations.

Organization of national and International seminars, conferences, professional development programmes for the teachers and students is an integral part of the academics. The dedicated teaching and non-teaching staff of the College overwhelmingly participates in the entire process.

I am happy to report that our college is NAAC accredited Grade "A" with score of 3.41. This ranks our institutions among the best colleges in the country. This is further supported by our 2018 NIRF rank 28.

Many of our former students are leading scientists, teachers, civil servants, outstanding sports persons and business professionals contributing significantly to the society.

I wish all the aspirants the best of luck, and all those who will be successful in securing admission; a happy and rewarding stay in the College.

# **COLLEGE INFRASTRUCTURE**

# LIBRARY

he Mata Gujri library, is operating an automated browsing catalogue (OPAC), using which it has become easier to access and classify the books. The library has gate security check system with 16 CCTV cameras installed to monitor. Around 2000 books of various subjects are added annually. Library is equipped with a new fully air conditioned reading room which can accommodate 200 students operational along with a new magazine and periodicals section.

Fully computerized, with lift facility it is the first such library in the entire University. New computerized ID cum Library tickets for students and staff and a Braille book-section for visually impaired students are the USP of the facility.

The College library currently has more than 1,36,000 books. More than 15,000 invaluable manuscripts and other materials on History, Religion and Politics adorn its shelves. The library caters to the needs of not only the 3000 students of the college but also to many research scholars and academicians from the University of Delhi and outside. The Annual General Budget of the Library is over Rs. 12,60,000. College provides access to Internet in the Library Reading Room for the students and the staff during college hours. 32 CCTV cameras along with control system have been installed in the library to monitor the activities of students, to maintain the discipline.

The Library Membership is also open to Indian and Foreign Research students who are interested in ancient manuscripts, rare books, magazines and other valuable material available in the library. The Students Aid Fund Section books are issued at the starting of the academic session and students are permitted to retain these books for the full session. The library has a separate section of 8,000 classics and other reference books on Sikh studies. The library preserves all the editions of the college magazine "THE TEGH" with the first edition published in 1953. Library is ICT friendly as per International Library Standards and Specifications. The Acquisition as well as circulation process is fully automated. The OPAC (Online Public Access Catalogue) facility was introduced in September 2007. The students and staff have utilized this facility for easy access of the books. Apart from print journals library has started subscribing N-LIST (National Library and Information Services Infrastructure for Scholarly Contents) program of INFLIBNET. The library is connected with Delhi University wide area campus networking system and provides access to electronic resources to its uses from Delhi University Library system (DULS) and UGC -INFONET Consortiun. Library is subscribing 12 journals, 46 magazine and 27 newspapers.

#### **Workshops & Training Programmes**

- Library Orientation Programme: The Orientation Programme is conducted at the commencement of new academic session every year. Students were oriented towards library for its collection, services, and facilities etc. in batches.
- ullet N-LIST Demo Classes: Twice in a week to train the students with e-resources and also collect the feedback.
- Library Internship: Library offers Internships for the students who are trained to work in all sections of Library.
- New Arrivals: The list of the new books added to the library is prepared on the computer and is displayed in the reading hall periodically for the information of the users.





# **SPORTS**

he College is known for excellence in sports; and on many occasions, our students have participated in international competitions. The College has a spacious playground for Hockey, Cricket, Football, Kho-Kho, Basket-ball, Tennis, Volley-ball, Swimming, Softball, Archery, Shooting, Baseball, Hand-ball and Wrestling. Adequate facilities for indoor games like Table Tennis, Carrom, Chess and mini Gymnasium are also available.

Our magnificent sports complex named after Sant

Harchand Singh Longowal has a state of art gymnasium. The students can undergo physical fitness training under skilled supervision of professional trainers. Complex also includes a squash court, three table tennis rooms, and changing rooms for players. There is also a decoratively built seminar room providing infrastructure for workshops, seminars and related activities.

The Lawn Tennis complex has two flood-lit, synthetic surface courts. Excellent facilities for coaching are available to the students in the complex.





#### **CLASS ROOMS**

College has 50 classrooms, most of which are air- conditioned. 36 classrooms have been equipped with projection system as well as access to internet and OERs.



#### **LABORATORIES**



College has well equipped spacious laboratories for the science streams. Labs are continuously upgraded with modern equipments with annual purchase of instruments, while existing equipments are maintained in good condition as well. There are total of twenty four laboratories; five each in department of Physics, Botany and Zoology, while Computer science has four, Chemistry has three and Electronics Department has two labs.

#### INTERNET ACCESS



College campus is wi-fi enabled. Internet is accessible across the campus on both wired and wireless network. Access is as per the University specified authorization protocol. Additionally, college has computer labs and a reading room facility in library which have internet connectivity. Entire College campus including Academic Blocks, Library, Auditorium, Canteen, Girls Hostel, Sports Complex, and Principals Residence is on

wireless network using 28 access points and 7 bridges and a zone-director. University network is available on wireless. Each user is given a username and password and the AAA servers in Computer Lab-II serve through the local part of the active directory as per the protocol specified by the Delhi University Computer Center.

## **GIRLS'HOSTEL**

Sri Guru Tegh Bahadur Khalsa College also provides hostel facility for the outstation girl students. Mata Gujri Hostel, started from the session 2012-13 is equipped with modern facilities and located within the college campus, and has 49 rooms to accommodate 147 students.



The hostel for boys is under construction and shall be functional by next academic session.

## **COLLEGE CANTEEN**

The College has spacious Canteen where quality and healthy eatables are served at affordable prices. Besides canteen an outlet of Café Coffee Day express is located just outside the botanical garden, where students can have gourmet food and drinks at subsidised rates.

#### EQUAL OPPORTUNITY CELL FOR DIFFERENTLY ABLED STUDENTS

The College is privileged to have a Disability Cell under the UGC-HEPSN scheme which promotes the physically challenged students enrolled in the College in a holistic manner and aims at providing academic and physical help as well as career and social counseling. The college has put up tektites and guiding tiles in the pathways for easy accessibility to teaching blocks and auditorium, lifts for the science block and special washrooms for physically challenged students. Besides, a designated space for machine-enabled reading for the visually challenged is provided and a budget is ear-marked for giving away helping devices.

The number and distribution of students with physical disabilities varies from year to year. Every year visually challenged students are given away Angel voice recorder-player from the College; besides specifically configured notebook computers provided by the University's Equal Opportunity Cell.

A special toilet for the persons with physical disabilities is operational on the ground floor. The timetable schedule makes best effort to allocate the classrooms in a way such that such students are facilitated in access and are conveniently placed.

## AUDITORIUM AND SEMINAR HALL



A multipurpose, state-of-the-art Auditorium named after the eminent Sikh leader Master Tara Singh is the hub of academic and cultural activities in University of Delhi. The fully air-conditioned auditorium is equipped with latest facilities. With a capacity of 600, the auditorium has witnessed many cultural and academic activities.

The college now has Guru Arjan Dev Seminar Hall with a capacity of 125 to accommodate a smaller audience for academic seminars and discussions.





## SRI GURU HAR RAI BOTANICAL GARDEN

The Botanical Garden named after seventh Guru has various sections such as herbal garden, mushroom cultivation hut, rockery, bonsai house, nursery, green house and vermi-compost area. At the entrance the tools have been displayed to make students aware of the gardening techniques. A classroom named" Gurukul" is constructed to conduct classes of ecology, taxonomy and environmental science. The facility is first of its kind in university where traditional classroom comes closer to nature.

The cultivation of mushroom is also carried out and the facility is also visited by students of other colleges.



## **SECURITY**

Surveillance cameras are installed at the main-gate covering the entry and surrounding areas, main-gate of the Girls Hostel, Library, and a few other strategic places. Security staff is deployed at strategic locations. A comprehensive surveillance network covers every corner of the College.

Security staff is deployed at strategic locations such as main entrances round the clock. Police-beat is stationed at the College main gate as additional measure.

# **BANK**

The College has on its premises a branch of the Punjab and Sind Bank.

## SCIENCE RESEARCH CENTRE

College has established a Science Research Centre for promotion of research activities involving students under the vision of Dr. Jaswinder Singh (Director) and Dr. Sukanta Dutta and Dr. P. Arun (Co-ordinators). The Center aims to promote interdisciplinary research, independent and innovative thinking and scientific temperament among the students. Under this facility research grants for projects are provided to the faculty members. Students who are interested in pursuing a research oriented career should attach themselves with teachers involved in research and enrol under these projects based on their interests. Under the scheme fourteen research projects were sanctioned for academic year 2018-19. Students enrolled in projects have presented their research work in National and International Conferences at various organizations in the Country. Students are also enrolled in the Ph.D program under different faculty in Department of Zoology, Chemistry and Physics.



#### LIST OF SANCTIONED RESEARCH PROJECTS

S.No.	Project Title	Field of Work	Supervisor	Department
1	"In silico – identification and experimental validation of Heat Shock Proteins and Heat Shock Factors in Vigna Unguilata L."	Botany	Dr. Sukhbir Kaur Gujraal Dr Darshan Kaur Cheema Dr. Ritu Pandey	Botany
2	."Sarbat da Bhala: Situating the Sikh Idea and its Practice in Contemporary world."	History	Dr. Rajshree Dhali Dr. Roopam Jasmeet Kaur	History
3	"Fabrication and Characterization of Inorganic Perovskite thin films."	8		Electronics & Computer Science
4	"Development and Characterization of Organic LEDs with High External Quantum Efficiency using ZnO Nanorods"	Electronics	Dr. P. Arun Dr. Inderpreet Singh	Electronics & Computer Science
5	"Effect of cropping systems on reproductive success of Withania somnifera (l.) Dunal and Andrographis paniculata (Burm. Fil.) Nees"	Botany	Dr. Inderdeep Kaur Dr. Anjana Sagar	Botany
6	"To explore the effect of household detergents (Phosphate free and with Phosphate ) on the germi- nation of seeds and growth of plants of mustard and pigeon pea"	Botany	Dr. Komal Kamra Dr. Surinder Walia Dr. Gurpreet Kaur Dr. Priyanka Singla	Botany & Zoology
7	"Simulation Modelling to operate the control of a serious Indian crop pest Spodoptera litura (Fabr.) by the modified Sterile Insect Technique."	Computation- al Modeling	Dr. Jeepinder Jeet Dr. Ruchi Arora	Zoology & Maths
8	"Sustainable approach to manage Agro waste throgh mushroom cultivation."	Botany	Dr. Surinder Walia Dr. Gurpreet Kaur Dr. Priyanka Singla	Botany
9	"Dimensional Analysis of Pockets of Delhi with Special Characteristics."	Physics	Dr. Savinder Kaur Mr. Sushil Singh	Physics
10	"Signatures of Elusive Particles."	Physics	Dr. Mamta	Physics
11	"Bioinformatics Characterization of Proteins/ Protein Complexes/ Interactions in Albuminome and Their Potential Role in Cancer Progression."	Zoology	Dr. Gaganjot Singh Dr. Harpreet Singh Raina Dr Kuldeep Kumar	Zoology & Physics
12	"(a) Determination of Reynold's Number, and (b) Physics of the Fidget Spinner."	Physics	Dr. Ajay Wadhwa	Physics
13	"Translating Indigeneity."	English	Dr. Saikat Ghosh Ms. Mehul Bhusan	English
14	"Detection and evaluation of Mycobacterium marium in catfish using nucleic acid amplification techniquesSignatures of Elusive Particles."	Zoology	Dr. Manoj Nimesh Dr. Deepali Joon	Zoology

# CENTRE FOR e-LEARNING (CfeL)

Centre for e-Learning" (CfeL), SGTB Khalsa College, University of Delhi, was established in October 2013. At CfeL, presently, the prestigious e-PG Pathshala projects of UGC & MHRD, Govt. of India, for six subjects namely, Commerce, Chemistry, Forensic Science, Economics, Psychology and Business Economics are being executed. Under these projects. high quality multimedia enriched e-content for post-graduate courses is being developed. The e-content developed at the CfeL has won accolades for its quality at both national and international forums.



It has around 2000 academicians across the nation involved in these projects. It has state of the art technical infrastructure including video-audio recording and editing studios, technical expertise and staff to develop multimedia enriched e-content.

Cfel has successfully completed the prestigious e-PG Pathshala project of UGC, worth Rs. 6.72 crores, under the NMEICT mission of M.H.R.D., Govt. of India, developing high quality, multimedia enriched econtent for 89 post graduate courses in 6 subjects – Chemistry, Forensic Science, Commerce, Economics, Business Economics and Psychology.

#### GURU ANGAD DEV-TEACHING LEARNING CENTRE (GAD-TLC)

Guru Angad Dev-Teaching Learning Centre (GAD-TLC) is a centre of MHRD, Govt. of India. It has been setup under the prestigious Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) scheme. The Centre was inaugurated by the then Union HRD Minister Smt. Smriti Zubin Irani on July 1, 2016. Since then, it has been actively working to address comprehensively all issues related to teachers, teaching, teacher preparation and their professional development and thus helps in the preparation of Modern age ICT savvy teachers. This Centre empowers the teachers through various basic and advanced workshopsin pedagogy (virtual & blended) and ICT skills. The Centre has trained around 3000 teachers till

The MHRD has chosen GAD-TLC as one of the premier Centers of the country for offering Faculty Induction Program (FIP) to the freshly inducted faculty in higher education sector so as to prepare them professionally. The Centre has also provided significant inputs to the MHRD for designing the content framework for this prestigious program, which has been acknowledged on MHRD's content framework document.

## NATIONAL RESOURCE CENTRE OF CHEMISTRY (NRCC)

Guru AngadDevTeaching Learning Centre of MHRD under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) has been awarded National Resource Centre of Chemistry (NRCC).

The mandate of this National Resource Centre (NRC) is to conduct Annual Online Refresher Program for Higher Education Faculty in Chemistry. This Program will be for all the in-service Chemistry teachers of the country at both UG and PG levels every year.

Innovative conceptualisation, design and structure of the first online refresher course in chemistry (NRCC) was awarded distinctive citations - India Didactics Association (IDA) award (Corporate) 2018 in the category Product of the year - Higher and Further Education.

# **FACULTY**

The college is proud of its distinguished teaching faculty. Many of them have made noteworthy contributions at National and International levels.

#### **DEPARTMENT OF ENGLISH**

Ms. Geetinder Kaur

Dr. Madhvi Zutshi

Mr. Saikat Ghosh (Convener)

Dr. Akhilesh Kumar

#### **DEPARTMENT OF HINDI**

Dr. Asha Mehta

Dr. Veena Agrawal

Dr. Charanjit Singh Sachdev

Dr. Smita Mishra (Convener)

Dr. Nagesh Nath Dass

Dr. Mukesh Kumar

Dr. Sumita Lohia

#### **DEPARTMENT OF PUNJABI**

Dr. Jaswinder Kaur

Dr. Kuldeep Kaur Pahwa

Dr. Harbans Singh

Dr. Amarjit Kaur

Dr. Vanita

Dr. Gurinder Singh (Convener)

Dr. Gurdip Kaur

#### **DEPARTMENT OF ECONOMICS**

Dr. Jaswinder Singh

Dr. Srividya Subramaniam (Convener)

Dr. Deepali Sharma

Ms. Harpreet Kaur

Ms. Kulwinder Kaur

Dr. Jasneet Kaur Wadhwa

#### **DEPARTMENT OF HISTORY**

Dr. Rajshree Dhali

Dr. Asad Ahmed (Convener)

Dr. Bhavna Goel

Dr. Pratibha

#### DEPARTMENT OF POLITICAL SCIENCE

Dr. Nachiketa Singh

Dr. Jagir Kaur

Dr. R. N. Mishra

Dr. Bipin K Thakur (Convener)

Dr. Banti M. Singh

Dr. Amanpreet Singh

#### **DEPARTMENT OF PHYSICAL EDUCATION**

Dr. Ravi S. Bhattacharjee (Convener)

#### **DEPARTMENT OF COMMERCE**

SJS Arora

Dr. S K Sharma

Dr. Paramjit Kaur

S. Gurkirpal Singh (Convener)

Ms. Parminder Kaur

Dr. Abha Kumar

Dr. Rachan Kaur

Ms. Parveen Kaur Lamba

Ms. Satvinder Kaur

Dr. T Venugopalan

Ms. Mansi Bansal

Dr. Harshdeep Kaur

Dr. Sukhvir Singh

Ms. Gurvinder Kaur

Ms. Madhu

Dr. Bibhu Prasad Sahoo

Dr. Kamaldeep Kaur

Dr. Masha Sandeep

#### **DEPARTMENT OF MATHEMATICS**

Ms. Daljit I P Singh

Mr. Virender Mehra

Dr. Satish Verma

Ms. Sunderjit Kaur

Ms. Jaswinder Bhalla

Mr. Dharmendra Kumar

Ms. Amarpreet Kaur Sabherwal

Mrs. Charanpreet Kaur (Convener)

#### **DEPARTMENT OF BOTANY**

Dr. Sukhbir Kaur

Dr. Inderdeep Kaur (Convener)

Dr. Surinder Kaur

Dr. Anjana Sagar

#### DEPARTMENT OF CHEMISTRY

Dr. Gurmeet Kaur

Dr. G S Sodhi (Convener)

Dr. Gurvinder Kaur

Dr. PS Jassal

Dr. Satnam Kaur

Dr. Sumanieet Kaur

Dr. Neelam Anand

Dr. Vimal Rarh

#### DEPARTMENT OF COMPUTER SCIENCE

Mr. PD Sharma

Ms. Neelu Sanghi (Convener)

#### **DEPARTMENT OF PHYSICS**

Dr. S K Soni

Dr. Anuradha Gupta

Dr. Deepak Chandra

Dr. Ravi S. Bhattacharjee

Dr. Ajay Wadhwa

Dr. Mamta (Convener)

Dr. Sukanta Dutta

Mr. Hiyong Ramo Chothe

Dr. Nimmi Singh Rooprai

Dr. Savinder Kaur

ADMINISTRATIVE OFFICE

Sr. PA, AO (Offg.) Mr. Jarnail Singh

**Section Officer-Accounts** 

Mr. Chiranji Lal

Dr. Kuldeep Kumar Kapil Mr. Sushil Kumar Singh

#### DEPARTMENT OF ELECTRONICS

Ms. Poonam Bedi

Dr. Nirupama Kapoor

Dr. P Arun (Convener)

Dr. Nidhi Sinha (Temporary)

#### DEPARTMENT OF ZOOLOGY

Dr. Komal Kamra

Dr. Manoj Kumar Nimesh

Dr. Jeepinder Jeet Kaur (Convener)

Ms. Rigzin Kang

Ms. Parminder Kaur Narang

#### **Section Officer Administration**

Mr. Lakhvir Singh

**Professional Assistant-Library** 

Mr. Jaspal Singh

# **COLLEGE COMMITTEES 2019-20**

S. No.	Committee	Name of Convenor
1	Secretary Staff Council	Dr. J. S. Arora
2	Academic Affairs	Mr. Saikat Ghosh
3	Admissions	Mr. Virender Mehra
4	Examination	Dr. Surinder Kaur
5	Time Table / Workload / EDP	Dr. P. D. Sharma
6	Annual Function	Ms. Rigzin Kang
7	Students welfare	Dr. Anjana Sagar
8	Magazine	Dr. Jasneet Kaur Wadhwa
9	Canteen	Mr. Gurkirpal Singh
10	Divinity	Dr. Harbans Singh
11	Dramatics Society	Dr. Smita Mishra
12	Purchase	Dr. Sukhvir Singh
13	Sexual Harassment Prevention	Dr. Sukhbir Kaur
14	Calendar	Dr. Jeepinder Jeet Kaur
15	Student Advisory	Ms. Parminder Kaur Narang
16	Proctorial Board	Dr. Gurvinder Kaur
17	Maintenance	Dr. Bibhu Prasad Sahoo
18	Extra Curricular Activities	Ms. Poonam Bedi
19	Placement Cell	Dr. Bibhu Prasad Sahoo
20	Garden Committee	Dr. Inderdeep Kaur

Note: If students have any problem during their stay in college, they are advised to meet concerned Committee Convenor.

**SUBJECTS AND COURSE STRUCTURE**The college offers following academic courses in Science, Humanities, Language and Commerce streams, at the undergraduate and postgraduate levels.

# **UNDERGRADUATE PROGRAMME**

S. No.	Course	Total Seats			
Arts Stream					
1	BA (H) English	40			
2	BA (H) Hindi	40			
3	BA (H) Punjabi	40			
4	BA (H) Economics	40			
5	BA (H) History	40			
6	BA (H) Political Science	40			
7	BA (H) Business Economics	40			
8	BA	60			
Comm	erce Stream				
9	B Com (H)	120			
10	B Com	60			
Science	Stream				
11	B Sc (H) Botany	40			
12	B Sc (H) Chemistry	20			
13	B Sc (H) Electronics	20			
14	B Sc (H) Mathematics	40			
15	B Sc (H) Physics	40			
16	B Sc (H) Zoology	40			
17	B Sc Physical Science	60			
18	B Sc Life Science	40			
19	B Sc (H) Computer Science	46			

# **POST-GRADUATE COURSES**

1	MA Hindi	5
2	MA English	5
3	MA Punjabi	10
4	MA History	5
5	MA Political Science	5
6	MA Economics	5
7	M Com.	10
8	MSc Botany	5
9	MSc Zoology	5
10	MSc Physics	5
11	MSc Chemistry	5
12	MSc Mathematics	5

# **DIPLOMA & CERTIFICATE COURSES**

## POST-GRADUATE DIPLOMA IN FORENSIC SCIENCE

- 1. To emphasize the importance of scientific methods in crime detection.
- 2. To disseminate information on the advancements in the field of forensic science.
- 3. To generate talented human resource.
- 4. To provide a platform for students and forensic scientists to exchange views, chalk-out collaborative programs and work in a holistic manner for the advancement of forensic science.

Number of Seats: Thirty (30).

Eligibility: Science Graduates with 55% and above.

Fee: Rs. 41,185

## **CERTIFICATE COURSE IN WEB JOURNALISM**

The Course aims to furnish the learning skills of student in using web and internet as a main medium for journalism. This will include blogging, journalistic writing for internet, online articles, packaging, designing, interactive and cross media options for websites.

A perfect blend of theory and practical training aims to equip the participants with skill to produce online articles, audio, video, pictures using various multimedia packages.

**Duration of the Program: Three months** 

Maximum intake: 40

Fee: Rs. 20,000

## CERTIFICATE COURSE IN SPORTS ECONOMICS & MARKETING

This course presents the core concepts of Sports Economics and is designed to introduce business majors to the rapidly expanding sports and leisure related industry. Students will learn the managerial and economic aspects of the sports. A study and analysis of the case studies will be included. Students will learn about the designing of international sporting events, international broadcasting rights, brand endorsement, working of advertising agencies. The course is designed in such a manner that equal weightage is given to both theory and practical which makes it unique in itself.

**Duration of the Program: Three months** 

Eligibility: Pursuing graduation in any stream

Fee: Rs. 20,000

# DIPLOMA & CERTIFICATE COURSES IN FOREIGN LANGUAGES

ith globalization, many foreign companies are making India as their manufacturing stations as well as destinations for a variety of services particularly in finance, software, consultancy and trading, in addition to the already time-tested areas of tourism and hospitality industries. An increasing number of career-conscious students and professionals are combining their undergraduate studies or job to acquire a reasonable degree of proficiency in at least one foreign language in order to ensure a competitive edge over simple graduates in the job market.

SGTB Khalsa College, University of Delhi offers certificate courses in 7 foreign languages and Diploma in 2 languages with certification from University of Delhi. Certificate courses in German and Spanish have been running successfully since 2008 under the Germanic & Romance Studies Department, University of Delhi. Certificate courses in Chinese, Korean and Japanese are being conducted since 2012 under the guidance of Department of East Asian Studies, University of Delhi. Certificate course in Russian is conducted under the guidance of Department of Slavonic & Finno-Ugrian Studies. Certificate course in French has been introduced from the session 2013-14, along with Diploma in German and Spanish.

The duration for all the certificate courses is one year. Students are trained to effectively write, speak and express in the respective language of their choice. In addition to the prescribed text books, a lot of emphasis is given on listening and understanding nuances of the language. Our faculty adopts the modern and most updated communicative approach to teach these languages. Students are exposed to these foreign languages through music, song, dance, films so that students can enjoy while learning these languages. Through class presentations, students practice communication.

	Certificate Courses	Diploma Courses
Qualification	10+2 in any stream (50% and above). Cut offs decided as per merit list amongst applicants. Students pursuing other full-time courses are also eligible.	Certificate course in the Language
Classes	3 days in a week (Tentatively, 3:45pm to 5:45pm)  3 days in a week (Tentatively, 3:45pm to 5:45pm)	
Duration of the course	e course One Year One Year	
Examination	Once in a year in the month of March- April, organized by University of Delhi.	Once in a year in the month of March- April, organized by University of Delhi.
Certificate Awarded by	University of Delhi	University of Delhi
Fees (Semester wise: First Semester: Second semester:)	Rs 18,000	Rs 18,000
Seats	40 each	40 each
Classes begin	First/second week of August	First/second week of August

# **Structure Of Choice Based Credit System (CBCS) For Undergraduate Programmes**

Details of courses under B.A (Honors), B.Com (Honors) & B.Sc. (Honors)

Course	*Credits		
	Theory+ Practical	Theory + Tutorial	
	=======================================	===========	
I. Core Course			
(14 Papers)	14X4= 56	14X5=70	
Core Course Practical / Tutorial*			
(14 Papers) 1	14X2=28	14X1=14	
II. Elective Course			
(8 Papers)			
A.1. Discipline Specific Elective	4X4=16	4X5=20	
(4 Papers)			
A.2. Discipline Specific Elective			
Practical/ Tutorial*	4 X 2=8	4X1=4	
(4 Papers)			
B.1. Generic Elective/			
Interdisciplinary	4X4=16	4X5=20	
(4 Papers)			
B.2. Generic Elective			
Practical/ Tutorial*	4 X 2=8	4X1=4	
(4 Papers)			

# Optional Dissertation or project work in place of one Discipline Specific Elective paper (6 credits) in 6th Semester

## **III. Ability Enhancement Courses**

<b>Total credits</b>	148	148
(2 Papers of 2 credit each)		
(Minimum 2)	2 X 4=8	2 X 4=8
2. Ability Enhancement Elective (Skill Based)		
English/MIL Communication		
Environmental Science		
(2 Papers of 2 credit each)	2 X 4=8	2 X 4=8
1. Ability Enhancement Compulsory		

<sup>\*</sup> wherever there is a practical there will be no tutorial and vice-versa

Note: B Sc. Life Science, B Sc. Physical Science, BA and B Com total numbers credits are 132.

# BA (H) English

#### LIST OF PAPERS

#### Core Papers

: Indian Classical Literature : European Classical Literature : Indian Writing in English

: British Poetry and Drama: 14th to 17th Centuries

: American Literature : Popular Literature

: British Poetry and Drama: 17th and 18th Centuries

: British Literature: 18th Century : British Romantic Literature 10: British Literature19th Century

11 : Women's Writing

12 : British Literature: The Early 20th Century

13 : Modern European Drama 14 : Postcolonial Literatures

Discipline Specific Elective (Any four)

: Modern Indian Writing in English Translation

: Literature of the Indian Diaspora : British Literature: Post World War II

: Nineteenth Century European Realism

Literary Theory : Literary Criticism

: Science fiction and Detective Literature

: Literature and Cinema World Literatures 10 : Partition Literature 11 : Research Methodology 12 : Travel writing 13 : Autobiography

# BA (H) Hindi

#### प्रश्नपत्रों का क्रम :

हिंदी कोर पाठ्यक्रम प्रश्नपत्र (HCC)

: हिंदी भाषा और उसकी लिपि का इतिहास

: हिंदी कविता (आदिकाल एवं भद्रिकालीन काव्य)

: हिंदी साहित्य का इतिहास (आदिकाल और

: हिंदी कविता (रीतिकालीन काव्य)

: हिंदी साहित्य का इतिहास (आधुनिक काल) : हिंदी कविता (आधुनिक काल छायावाद तक)

: हिंदी कहानी : भारतीय काव्यशास्त्र

: हिंदी कविता ( छायावाद के बाद )

१० : हिन्दी उपन्यास ११ : पाश्चात्य काव्यशास्त्र १२ : हिंदी नाटक/एकांकी १३ : हिन्दी आलोचना

१४ : हिंदी निबंध और अन्य गद्य विधाएँ

हिंदी सामान्य (ळमदमतपब) ऐच्छिक पाठ्यक्रम (HGEC)

ः लोकप्रिय साहित्य अथवा हिंदी सिनेमा और उसका अध्ययन : रचनात्मक लेखन अथवा पटकथा तथा संवाद लेखन ः हिंदी में व्यावहारिक अनुवाद अथवा भाषा और समाज ः हिन्दी का वैश्विक परिदृश्य अथवा भाषा शिक्षण

हिंदी विषय आधारित ऐच्छिक पाठ्यक्रम (HDSEC)

१ : हिंदी की मौखिक और लोक-साहित्य परंपरा अथवा अस्मितामूलक

#### Generic Elective (Any four)

: Academic Writing and Composition Media and Communication Skills

Text and Performance

: Language and Linguistics

Contemporary India: Women and Empowerment

Gender and Human Rights\* Language, Literature and Culture

\*Syllabus not received

#### Ability Enhancement Course (Compulsory)

: Environmental Study\*

: English/MIL Communication

\* Syllabi not received

#### Ability Enhancement Elective Course (Any two)

: Film Studies \*

: English Language Teaching

Soft Skills

: Translation Studies

: Creative Writing

: Business Communication

Technical Writing

\*Syllabus not received

विमर्श और हिंदी साहित्य अथवा भारतीय एवं पाश्चात्य रंगमंच सिद्धांत

२ : हिंदी भाषा का व्यावहारिक व्याकरण अथवा कोश विज्ञान : शब्दकोश और विश्वकोश अथवा भारतीय साहित्य की संक्षिप्त रूपरेखा

: लोकनाट्य अथवा हिन्दी की भाषिक विविधताएँ अथवा भारतीय साहित्य पाठपरक अध्ययन

ः शोध-प्रविधि अथवा अवधारणात्मक साहित्यिक पद अथवा हिंदी

हिंदी कौशल-संवर्द्धक ऐच्छिक पाठ्यक्रम (HSEC) (कोई दो : क और ख वर्ग से एक-एक का चयन)

(क)

ः विज्ञापन और हिंदी भाषा ः कम्प्यूटर और हिंदी भाषा

: सोशल मीडिया

४: अनुवाद-कौशल

: कार्यालयी हिंदी

ः भाषायी दक्षता : समझ और संभाषण

: भाषा और समाज

ख एक अनिवार्य प्रश्नपत्र : आधुनिक भारतीय भाषा संप्रेषण/अंग्रेजी

ख एक अनिवार्य प्रश्नपत्र : पर्यावरण विज्ञान

# BA (H) Punjabi

#### LIST OF PAPERS

#### Core Papers

: Gurmat Poetry ਗਰਮਤਿ ਕਾਵਿ (Gurmat Kãv)

: Modern Punjābi Story ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਹਾਣੀ (Ãdhunik Punjābi Kahānni)

: Punjãbi Sufi-Poetry

ਪੰਜਾਬੀ ਸੁਫ਼ੀ-ਕਾਵਿ (Punjãbi Sufi-Kãv)

: Medieval and Modern Punjabi Prose ਮੱਧਕਾਲੀਨ ਅਤੇ ਨਵੀਨ ਪੰਜਾਬੀ ਵਾਰਤਕ (Madhkãleen ate Naveen Panjãbi Vãrtak)

: Punjãbi Folklore and Culture

ਪੰਜਾਬੀ ਲੋਕਧਾਰਾ ਅਤੇ ਸਭਿਆਚਾਰ (Punjābi Lokdhārā ate

Sabhiãchãr)

: Punjãbi Novel

ਪੰਜਾਬੀ ਨਾਵਲ (Punjãbi Novel)

: Modern Punjãbi Poetry

ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ (Ãdhunik Punjãbi Kavitã)

: Medieval Narrative Poetry : Qissa and Balladry ਮੱਧਕਾਲੀ ਬਿਰਤਾਂਤਕ ਕਾਵਿ : ਕਿੱਸਾ ਤੇ ਬੀਰ ਕਾਵਿ (Madhkãli Birtãntak Kãv : Qissã te Bir Kãv)

: Punjãbi Language, Script and Grammar ਪੰਜਾਬੀ ਭਾਸ਼ਾ, ਲਿੱਪੀ ਅਤੇ ਵਿਆਕਰਨ (Punjābi Bhāshā, Lippi ate Vivãkarn)

10 : Punjābi Drāmā and One-Act Play ਪੰਜਾਬੀ ਨਾਟਕ ਅਤੇ ਇਕਾਂਗੀ (Punjãbi Nãtak ate Ikãngi)

11 : Parvãsi Punjābi Literature ਪਰਵਾਸੀ ਪੰਜਾਬੀ ਸਾਹਿਤ (Parvãsi Punjābi Sãhit)

12 : Theory of Literature & Indian Poetics ਸਾਹਿਤ ਸਿਧਾਂਤ ਅਤੇ ਭਾਰਤੀ ਕਾਵਿ-ਸ਼ਾਸਤਰ (Sãhit Sidhãnt ate Bhãrti

13 : Pākistāni Punjābi Literature ਪਾਕਿਸਤਾਨੀ ਪੰਜਾਬੀ ਸਾਹ੍ਰਿ (Pākistāni Punjābi Sāhit)

14 : Punjãbi Criticism and Western Literary Approaches ਪੰਜਾਬੀ ਆਲੋਚਨਾ ਅਤੇ ਪੱਛਮੀ ਚਿੰਤਨ-ਪ੍ਰਣਾਲੀਆਂ (Punjābi Ālochnā ate Pachhmi Chintan Prannalian)

#### Elective: Discipline Specific (DSE)

: Punjãbi Travelogue Literature ਪੰਜਾਬੀ ਸਫ਼ਰਨਾਮਾ ਸਾਹਿਤ (Punjābi Safarnāmā Sāhit)

: Indian Literature ਭਾਰਤੀ ਸਾਹਿਤ (Bhãrti Sãhit)

: World Literature ਵਿਸ਼ਵ ਸਾਹ੍ਰਿ (Vishav Sãhit)

Mass Movements of Punjãb and Punjãbi Literature 4 ਪੰਜਾਬ ਦੀਆਂ ਲੋਕ-ਲਹਿਰਾਂ ਅਤੇ ਪੰਜਾਬੀ ਸਾਹਿਤ (Punjãb diãn Lok-Laeharan ate Punjabi Sahit)

: Biography and Auto-Biography ਜੀਵਨੀ ਅਤੇ ਸਵੈ–ਜੀਵਨੀ (Jeevani ate Swai-Jeevani)

: Life Sketch

ਰੇਖਾ ਚਿੱਤਰ (Rekhã Chittar)

: Myth Transformation and Myth Criticism ਮਿੱਥ ਰੂਪਾਂਤਰਣ ਅਤੇ ਮਿਥ ਚਿੰਤਨ (Myth Roopantarann ate Myth Chintan)

: Punjãbi Epic Poetry

ਪੰਜਾਬੀ ਮਹਾ-ਕਾਵਿ (Punjābi Mahā-Kāv)

: Literature on Partition & Punjãb holocaust ਦੇਸ਼ ਵੰਡ ਅਤੇ ਪੰਜਾਬ ਸੰਤਾਪ ਬਾਰੇ ਸਾਹਿਤ (Deshvandd ate Punjãb Santãp bãre Sãhit)

10 : Punjãbi Balladry

ਪੰਜਾਬੀ ਵਾਰ ਸਾਹਿਤ (Punjābi Vār Sāhit

\*Optional Dissertation or Project Work in place of one Discipline Specific Elective Paper (6 Credits) in 6th Semester.

#### **Elective Course: Generic**

: Modern Punjãbi Poetry and Functional Punjãbi ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Ådhunik Punjãbi

Kavitã ate Vihārak Punjābi) : Modern Punjābi Story and Functional Punjābi ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਹਾਣੀ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Ãdhunik Punjābi Kahanni ate Viharak Punjabi)

: Punjãbi Travologue and Functional Punjābi ਪੰਜਾਬੀ ਸਫ਼ਰਨਾਮਾ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjãbi Safarnãmã ate Vihãrak Punjãbi)

: Punjãbi One-Act Play and Functional Punjãbi ਪੰਜਾਬੀ ਇਕਾਂਗੀ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjãbi Ikãngi ate Vihãrak Punjãbi)

Punjābi Novel and Functional Punjābi ਪੰਜਾਬੀ ਨਾਵਲ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjābi Novel ate Vihārak

: Punjābi Drāmā and Functional Punjābi ਪੰਜਾਬੀ ਨਾਟਕ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjābi Nātak ate Vihārak

: Punjābi Qissā and Functional Punjābi ਪੰਜਾਬੀ ਕਿੱਸਾ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjãbi Qissã ate Vihãrak

Punjābi Folklore and Functional Punjābi ਪੰਜਾਬੀ ਲੋਕਧਾਰਾ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjābi Lokdhārā ate Vihãrak Puniãbi)

: Parvãsi Punjãbi Prose and Functional Punjãbi ਪਰਵਾਸੀ ਪੰਜਾਬੀ ਵਾਰਤਕ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Parvãsi Punjãbi Vãrtak ate Vihãrak Puniãbi)

10 : Media and Fuctional Punjãbi ਮੀਡੀਆ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Mediã ate Vihãrak Punjãbi)

#### Ability Enhancement Compulsory Course (AECC)

: Punjãbi A (Advãnce Level)

: Punjãbi - B

(Intermediate Level)

: Punjãbi - C (Basic Level

\* Student can opt any one out of these three Levels of Punjabi papers as per the criteria.

#### Ability Enhancement Elective Course (AEEC) Skill Based Papers

: Learning Skill of Mediã and Mãss Communication ਮੀਡੀਆ ਅਤੇ ਜਨ-ਸੰਚਾਰ ਦਾ ਹੁਨਰ ਸਿਖਣਾ (Mediã ate Jan-Sanchãr dã Hunar Sikhannã)

: Learning Skill of Translation ਅਨੁਵਾਦ ਕਰਨ ਦਾ ਹੁਨਰ ਸਿਖਣਾ (Anuvãd Karan dã Hunar Sikhnnã)

: Learning Skill of Art of Theatre ਰੰਗਮੰਚ ਕੱਲਾ ਦਾ ਹੁਨਰ ਸਿਖਣਾ (Rangmanch Kalã dã Hunar

Learning Skill of Computerization of Punjãbi Language ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਕੰਪਿਊਟਰੀਕਰਨ ਦਾ ਹੁਨਰ ਸਿਖਣਾ (Punjãbi Bhãshã de Compurtrikaran dã Hunar)

# **BA (H) Economics**

#### LIST OF PAPERS

**Core Papers** 

: Introductory Microeconomics : Mathematical Methods for Economics-I

3 : Introductory Macroeconomics 4 : Mathematical Methods for

Economics-II

Ability Enhancement Compulsory Course (AECC)-I Ability Enhancement Compulsory Course (AECC)-II

Generic Elective (GE) Course-I Generic Elective (GE) Course-II : Intermediate Microeconomics-I : Intermediate Macroeconomics-I : Statistical Methods for Economics

: Intermediate Microeconomics-II : Intermediate Macroeconomics-II 10 : Introductory Econometrics

Skill Enhancement Course (SEC)-I Skill Enhancement Course (SEC)-II Generic Elective (GE) Course-III Generic Elective (GE) Course-IV

11 : Indian Economy-I

12 : Development Economics-I 13 : Indian Economy-II 14 : Development Economics-II

Discipline Specific Elective (DSE) Courses

Economics of Health and Education

ii : Applied Econometrics

iii : Economic History of India (1857-1947)

Topics in Microeconomics-I : Political Economy-I

Money and Financial Markets xii : **Environmental Economics** viii : Political Economy-II

Comparative Economic Development (1850-1950)

Financial Economics Topics in Microeconomics-II Public Economics vii : xiii : International Economics xiv: Dissertation/Project

**Generic Elective Courses in Economics** 

Generic Elective in Economics I: Introductory Microeconomics

Generic Elective in Economics II : Introductory

Macroeconomics

Generic Elective in Economics III :

(a) Indian Economy-I OR (b) Money and Banking OR

Environmental Economics (c) Generic Elective in Economics IV:

Indian Economy-II OR (b) Economic History of India 1857-(a)

(c) Public Finance

# **BA (H) History**

#### LIST OF PAPERS

**Core Papers** 

: History of India-I

II : Social Formations and Cultural Patterns of the Ancient World

III : History of India-II

IV : Social Formations and Cultural Patterns of the Medieval World

: History of India-III ©. 750-1206) VI : Rise of Modern West-I

VII: History of India IV (c.1206-1550) VIII: Rise of Modern West -11 IX: History of India-V ©. 1550-1605)

X : History of India-VI ©. 1750-1857 XI : History of Modern Europe- I ©. 1780-1939)

XII: History of India-VII ©. 1605-1750) XIII: History of India-VIII ©. 1857-1950) XIV: History of Modern Europe- II (1780-1939)

Discipline Specific Elective (Any Four)

I : History Of United States Of America -1 (C. 1776 -1945) : History Of United States Of America -I1 (C. 1776 - 1945)

III : History Of The USSR-I (c. 1917- 1964) IV: History Of The USSR-II (c. 1917-1964) V : History Of Africa (c. 1500 - 1960s) VI : History Of Latin America (c. 1500 - 1960s) VII: History Of Southeast Asia-The 19TH Century VIII: History Of Southeast Asia-The 20TH Century IX: History of Modern East Asia-I (c.1840-1919) X : History of Modern East Asia-1I ©. 1868-1945) Generic Elective (Interdisciplinary Any Four)

: nvironmental Issues In India : Research Methodology in History III : Making of Contemporary India

IV : Delhi: Ancient V : Delhi: Medieval VI : Delhi: Modern

VII: Issues in Contemporary World Ability Enhancement Course (AEC)

Compulsory-II Papers Environmental Science

English/ MIL

Skill Enhancement Courses (SEC)

#### Any Two

: Understanding Heritage

: Art Appreciation: An Introduction to Indian Art

III : Archives and museums IV : Understanding Popular Culture

#### **B.A (Hons) History**

Core Papers©: 14,Credits: 6 each, 5classes,1 tutorial

: History of India-I

: Social Formations and Cultural Patterns of the Ancient World

III : History of India-II

IV : Social Formations and Cultural Patterns of the

Medieval World

V : History of India-III ©. 750-1206)

VI: Rise of Modern West-I

VII: History of India IV (c.1206-1550)

VIII: Rise of Modern West -11

IX: History of India-V ©. 1550-1605) X : History of India-VI ©. 1750-1857

XI : History of Modern Europe I ©. 1780-1939)

X : History of India-VI ©. 1750-1857

XI : History of Modern Europe I ©. 1780-1939) XII: History of India-VII ©. 1605-1750)

XIII: History of India-VIII ©. 1857-1950) XIV: History of Modern Europe II (1780-1939)

Discipline Specific Elective (Any Four) Credits- 6 Each, 5

1-I : History Of United States Of America -1©. 1776 ñ 1945) 2-II: History Of United States Of America -I1©. 1776 ñ 1945)

3-III: History Of The USSR-I (c. 1917- 1964) 4-II: History Of The USSR-II (c. 1917- 1964) 5-I : History Of Africa (c. 1500 - 1960s) 6 : History Of Latin America (c. 1500 - 1960s) : History Of Southeast Asia - The 19TH Century

: History Of Southeast Asia - The 20TH Century : History of Modern East Asia-1 ©. 1840-1919)

10 : History of China & Japan-I1 ©. 1868-1939)

#### Generic Elective (Interdisciplinary Any Four) CREDITS-6

: Environmental Issues In India : Research Methodology in History III : Making of Contemporary India

IV: Delhi: Ancient V : Delhi: Medieval VI : Delhi: Modern

VII: Issues in Contemporary World

#### Ability Enhancement Course (AEC)

#### Compulsary-2 Papers, Credits-2 Each,2 Classes

Environmental Science English/ MIL

#### Skill Enhancement Courses (SEC)

#### Any Two Papers, Credits-2 Each, 2 Classes

: Understanding Heritage

: Art Appreciation: An Introduction to Indian Art

III : Archives and museums IV : Understanding Popular Culture

# **BA (H) Political Science**

#### LIST OF PAPERS

#### Core Papers

: Understanding Political Theory

Constitutional Government and Democracy in India

Political Theory-Concepts and Debates

Political Process in India

Introduction to Comparative Government and Politics

VI Perspectives on Public Administration

: Perspectives on International Relations and World History

VIII : Political Processes and Institutions in Comparative Perspective

: Public Policy and Administration in India

Global Politics

ΧI Classical Political Philosophy : ZIndian Political Thought-I XIII : Modern Political Philosophy XIV : Indian Political Thought-II

#### (B) Generic Elective -4 (Interdisciplinary): Any Four

: Nationalism in India

2 Contemporary Political Economy

Feminism: Theory and Practice (This paper has been 3 swapped by the paper titled 'Women, Power and Politics')

Gandhi and the Contemporary World

Understanding Ambedkar

Governance: Issues and Challenges

Politics of Globalization

: United Nations and Global Conflicts

#### (C) Discipline Specific Elective-4 (DSE): Any Four

Citizenship in a Globalizing World

Human Rights in a Comparative Perspective

3 Development Process and Social Movements in Contemporary India

Public Policy in India

Understanding Global Politics (This paper has been replaced 5 by the paper titled 'Colonialism and Nationalism in India')

India's Foreign Policy in a Globalizing world

Women, Power and Politics (This paper has been swapped by the paper titled 'Feminism: Theory and Practice')

: Dilemmas in Politics

#### (D) Ability Enhancement-2 (AE Skill Based): Any Two

Your Laws, Your Rights

Public Opinion and Survey Research 3 Legislative Practices and Procedures Peace and Conflict Resolution

#### (E) Ability Enhancement (Compulsory) Fondation: Two

Language-MIL/ENGLISH

: Environmental Science

Language-MIL/ENGLISH Environmental Science Ability

Enhancement (AE) Compulsory
: Understanding Political Theory Core Discipline -1

1.3 Constitutional Government and Democracy in India Core Discipline -2

14 : Any One of the Following Generic Elective -I

(Interdisciplinary)

A-Nationalism in India

B- Contemporary Political Economy

C- Feminism: Theory and Practice (swapped by 'Women,

Power and Politics')

D-Gandhi and the Contemporary World

E-Understanding Ambedkar

F-Governance: Issues and Challenges

G-Politics of Globalization

H-United Nations and Global Conflicts

: Environmental Science Language-MIL/ENGLISH Ability

Enhancement Compulsory (AE)

Political Theory-Concepts and Debates Core Discipline -3 2.3

Political Process in India Core Discipline -4

Any One of the Following Generic Elective -II

(Interdisciplinary)

A-Nationalism in India

B-Contemporary Political Economy

C-Feminism: Theory and Practice (swapped by 'Women,

Power and Politics')

D-Gandhi and the Contemporary World

E- Understanding Ambedkar

F- Governance: Issues and Challenges

G-Politics of Globalization

H- United Nations and Global Conflicts

3.1 : Introduction to Comparative Government and Politics Core Discipline -5

Perspectives on Public Administration Core Discipline -6

3.3 : Perspectives on International Relations and World History

Core Discipline -7

3.4 : Any One of the Following Generic Elective-III (Interdisciplinary)

A- Nationalism in India

B- Contemporary Political Economy

C- Feminism: Theory and Practice (swapped by 'Women,

Power and Politics')

D- Gandhi and the Contemporary World

E- Understanding Ambedkar

F- Governance: Issues and Challenges

G-Politics of Globalization

H- United Nations and Global Conflicts

3.5 : Any one of the following Ability Enhancement-I (Skill -Based)

A-Your Laws, Your Rights

B-Public Opinion and Survey Research

C-Legislative Practices and Procedures D-Peace and Conflict Resolution

4.1 : Political Processes and Institutions in Comparative

Perspective

Core Discipline -8

4.2 : Public Policy and Administration in India Core Discipline -9

4.3 : Global Politics Core Discipline -10

4.4 : Any One of the Following Generic Elective -IV

(Interdisciplinary)

A- Nationalism in India

B- Contemporary Political Economy

C- Feminism: Theory and Practice (swapped by 'Women,

Power and Politics')

D- Gandhi and the Contemporary World

E- Understanding Ambedkar

F- Governance: Issues and Challenges

G- Politics of Globalization

H- United Nations and Global Conflicts

# B Com (H)

## LIST OF PAPERS

1.1 : Environmental Studies Ability Enhancement : Compulsory Course (AECC-1)

1.2 Financial Studies Core Course (C-1) Business Law Core Course (C-2)

1.3 1.4 : General Elective (GE-1)

(Any one of the following)

a. Micro Environment

b. Insurance and Risk Management

: Business communication (Language-2.1

English/Hindi/MIL) Ability Enhancement Compulsory Course (AECC -2)

: Corporate Accounting Core Course (C-3) 2.2

: Corporate Laws Core Course (C-4) 2.3

24 : Generic Elective (GE-2) Generic Elective (GE-2)

(Any one of the following)

a. Micro Environment b. Investing in Markets

: Human Resource Management Core Course (C-5)

: Income-tax Law and Practice Core Course (C-6)

3.3 : Management Principles and Application Core Course

3.4 : Generic Elective (GE-3) Generic Elective (GE-3)

(Any one of the following)

a. Business Statistics b. Project Management

3.5 : Skill Enhancement Course (Sec-1) Skill Enhancement : Any One of the following Ability Enhancement-II (Skill

A-Your Laws, Your Rights

B-Public Opinion and Survey Research

C- Legislative Practices and Procedures

D- Peace and Conflict Resolution

: Classical Political Philosophy Core Discipline -11

Modern Indian Political Thought-I Core Discipline -12

: & 5.4 Any two of the Following Discipline Specific Elective

DSE)-1&2

A- Citizenship in a Globalizing World

B- Human Rights in a Comparative Perspective

C- Development Process and Social Movements in

Contemporary India

D- Public Policy in India

E- Colonialism and Nationalism in India

F- India's Foreign Policy in a globalizing world

G- Women, Power and Politics (swapped by 'Feminism:

Theory and Practice')

H- Dilemmas in Politics

: Modern Political Philosophy Core Discipline -13 6.1

Indian Political Thought-II Core Discipline -14 6.2

: & 6.4 Any two of the Following Discipline Specific Elective 6.3

(DSE) 3 &4

A- Citizenship in a Globalizing World

B- Human Rights in a Comparative Perspective

C- Development Process and Social Movements in

Contemporary India

D- Public Policy in India

E- Understanding Global Politics (Replaced by 'Colonialism

and Nationalism in India')

F- India's Foreign Policy in a globalizing world

G- Feminism: Theory and Practice

H- Dilemmas in Politics

(Any of the following)

a. E-Commerce

b. Training and Development

c. E-Marketing

d. Personal Tax Planning

: Cost Accounting Core Course (C-8)

4.2 : Business Mathematics Core Course (C-9)

4.3 Computer Applications in Business Core Course (C-10) 44

Generic Elective (GE-4) Generic Elective (GE-4)

(Any one of the following) a. Indian Economy

b. Economic of Regulation of Domestic and Foreign Exchange Markets

4.5 : Skill-Enhancement Course (SEC-2) Skill-Enhancement

Course (SEC-2) (Any one of the following)

a. Entrepreneurship

b. Collective Bargaining and Negotiation Skills

c. E-Filing of Returns

d. Cyber Crimes and Laws

5.1 : Principles of Marketing Core Course (C-11)

5.2 : Fundamental of Financial Management Core Course (C-12)

5.3 : Discipline Specific Elective (DSE-1) Discipline Specific Elective (DSE-1) (Any one of group A)

5.4 : Discipline Specific Elective (DSE-2) Discipline Specific Elective (DSE-2) (Any one of group A)

a. Management Accounting

b. Corporate Tax Planning

c. Advertising

3.1

- d. Banking and Insurance
- e. Computerised Accounting System
- f. Financial Markets, Institutions and Financial Services
- g. Industrial Laws
- h. Organisational Behaviour
- 6.1 : Auditing and Corporate Governance
- 6.2 : Indirect Tax Laws Core Course (C-14)
- 6.3 : Discipline Specific Elective (DSE-3) Discipline Specific Elective (DSE-3) (Any one of group B)
- 6.4 : Discipline Specific Elective (DSE-4) Discipline Specific

## **B** Com

#### LIST OF PAPERS

- 1.1 : Environmental Studies Ability Enhancement Compulsory Course (AECC-1)
- 1.2 : Financial Accounting Core Course (DCS-1)
- 1.3 : Business Organisation and Management Core Course (DCS-2)
- 1.4 : English Language Language-1
- 2.1 : Language: English /Hindi/Modern Indian Language Ability Enhancement Compulsory Course (ACEE -2)
- 2.2 : Business Laws Core Course (DSC-3)
- 2.3 : Business Mathematics and Statistics Core Course (DSC-4)
- 2.4 : Hindi/Modern Indian Language Language-2
- 3.1 : Company Law Core Course (DSC-5)
- 3.2 : Indian Tax Law and Practice Core Course (DSC-6)
- 3.3 : Hindi/Modern Indian Language Language-3
- 3.4 : Skills Based (Any one of the following) Ability Enhancement Elective (Skill Based-AEEC-1)
  - (a) Computer Application in Business
  - (b) Cuber Crimes and Laws
- 4.1 : Business Communication (English/Hindi) Language-4
- 4.2 : Corporate Accounting Core Course (DSC-7)
- 4.3 : Cost Accounting Core Course (DCS-8)
- 4.4 : Skill Based (Any one of the following) Ability Enhancement Elective Course (Skill Based-AEEC-2)
  - (a) E-Commerce
  - (b) Investing in Stock Markets
- 5.1 : Discipline Specific Elective Discipline Selective Elective (DSE-1) (Any one of the following)
  - (a) Human Resource Management
  - (b) Principles of Marketing
  - (c) Auditing and Corporate Governance
  - (d) Financial Reporting and Analysis

# B Sc (H) Botany

#### LIST OF PAPERS

#### **Core Papers**

- 1 : Microbiology and Phycology
- 2 : Biomolecules and Cell Biology
- 3 : Mycology and Phytopathology
- 4 : Archegoniate
- 5 : Anatomy of Angiosperms
- 6 : Economic Botany
- 7 : Genetics
- 8 : Molecular Biology
- 9 : Ecology
- 10 : Plant Systematics
- 11 : Reproductive Biology of Angiosperms
- 12 : Plant Physiology
- 13 : Plant Metabolism
- 14 : Plant Biotechnology

#### Discipline Specific Electives (Four)

- 1 : Analytical Techniques in Plant Sciences
- 2 : Biostatistics
- 3 : Industrial and Environmental Microbiology
- 4 : Bioinformatics

- Elective (DCE-4) (Any one of group B)
- a. Fundamental of Investment
- b. Consumer Affairs and Consumer Care
- c. Business Tax Procedures and Management
- d. International Business
- e. Industrial Relations and Labour Laws
- f. Business Research Methods and Project Work
- g. New Venture Planning
- h. Financial Reporting & Analysis
- I. Compensation Management
- 5.2 : Discipline Specific Elective Discipline Specific Elective (Dse-
  - 2) (Any one of the following)
  - (a) Fundamental of Financial Management
  - (b) Indirect Tax Laws Training and Development
  - (d) Industrial Laws
- 5.3 : Skills Based Ability Enhancement Elective Course (Skill
  - Based- AEEC-3) (Any one of the following)
    - (a) Entrepreneurship
    - (b) Advertising
- 5.4 : Discipline Specific Elective Generic Elective (GE-1) (Any one of the following)
  - (a) Principle of Micro Economics
  - (b) Economics of Regulation of Domestic an Foreign Exchange Markets
- 6.1 : Discipline Specific Elective Discipline Specific Elective
  - (DSE-3) (Any one of the following)
  - (a) Corporate Tax Planning
  - (b) Banking and Insurance Management Accounting
  - (d) Computerised Accounting System
  - (e) Financial Markets and Institution
- 6.2 : Discipline Specific Elective Discipline Specific Elective (DSE-4) (Any one of the following)
  - (a) International Business
  - (b) Office Management and Secretarial Practice
  - (c) Fundamental of Investment
  - (d) Consumer Protection
  - (e) Organisational Behaviour
  - BC 6.3 : Skill Based Ability Enhancement Elective Course (Skill Based- AEEC-4) (Any one of the following)
  - (Skill Based- AEEC-4) (Any one of the following)
  - (a) Personal Selling and Salesmanship
  - (b) Collective Bargaining and Negotiation Skills
- 6.4 : Generic Elective Generic Elective (GE-2) (Any one of the following)
  - (a) Indian Economy
  - (b) Project Management

#### Generic Electives

- 1 : Biodiversity (Microbes, Algae, Fungi and Archegoniate)
- 2 : Plant Diversity and Human Welfare
- 3 : Plant Anatomy and Embryology
- 4 : Plant Ecology and Taxonomy
- 5 : Environmental Biotechnology
- 6 : Economic Botany and Biotechnology
- Ability Enhancement Course: Compulsory
- 1 : Environmental Science
- 2 : English/MIL Communication

#### Skill Enhancement Courses: Elective

- 1 : Ethnobotany
- 2 : Intellectual Property Rights
- 3 : Biofertilizers
- 4 : Medicinal Botany

#### Skill Enhancement Courses: Elective (Two)

- 1 : Ethnobotany
- 2 : Intellectual Property Rights Semester)
- 3 : Biofertilizers
- 4 : Medicinal Botany

# **B** Sc (H) Electronics

#### LIST OF PAPERS

#### **Core Papers**

(1 period/week for tutorials or 4 periods/week for practical)

: Basic Circuit Theory and Network Analysis (4+4) II : Mathematics Foundation for Electronics (4+4)

III : Semiconductor Devices (4+4) IV : Applied Physics (4+4)

V : Electronic Circuits (4+4)

VI : Digital Electronics and VHDL (4+4) VII: C Programming and Data Structures (4+4) VIII: Operational Amplifiers and Applications (4+4)

IX : Signals and Systems (4+4) X : Electronic Instrumentation (4+4)

XI : Microprocessors and Microcontrollers (4+4)

XII : Electromagnetics (4+4) XIII: Communication Electronics (4+4)

XIV: Photonics (4+4)

#### Discipline Specific Electives (DSE): (Credit: 06 each) (4 papers to be selected) - DSE 1-4

: Power Electronics (4+4) Numerical Analysis (4+4)

: Modern Communication Systems (4+4)

Semiconductor Fabrication and Characterization (4+4)

Electrical Machines (4+4) : Basic VLSI Design (4+4)

: Digital Signal Processing (4+4)

Control Systems (4+4) Computer Networks (4+4)

10 : Embedded Systems (4+4) 11 : Biomedical Instrumentation (4+4)

: Transmission Lines, Antenna and Wave Propagation (4+4)

13 : Dissertation (4+4)

# B Sc (H) Chemistry

AEC-I Compulsory English Communications/Environmental Science 2

: Inorganic Chemistry-I 4

: Practical Inorganic Chemistry-I Lab 2

II : Physical Chemistry-I 4

II : Practical Physical Chemistry-I Lab 2

Generic Elective -1 GE-1 4/5 Generic Elective -1

Practical/Tutorial 2/1 II Compulsory Environmental Science English Communications 2

III : Organic Chemistry-I 4

III : Practical Organic Chemistry-I Lab 2

IV: Physical Chemistry-II 4

IV : Practical Physical Chemistry-II Lab 2

Generic Elective -2 GE-2 4/5 Generic Elective -2

Practical/Tutorial 2/1

: Inorganic Chemistry-II 4

V : Practical Inorganic Chemistry-II Lab 2

VI : Organic Chemistry-II 4

VI : Practical Organic Chemistry-II Lab 2

VII: Physical Chemistry-III 4

VII: Practical Physical Chemistry-III Lab 2

Skill Enhancement Course -1 SEC-1 2 Generic Elective -3 GE-3 4/5 Generic Elective -3 Practical/Tutorial 2/1

VIII: Inorganic Chemistry-III 4

VIII: Practical Inorganic Chemistry-III Lab 2

IX: Organic Chemistry-III 4

IX: Practical Organic Chemistry-III Lab 2

X : Physical Chemistry-IV 4

X : Practical Physical Chemistry-IV Lab 2

#### Skill Enhancement Course (SEC) (02 papers) (Credit: 02 each) -EC1 to SEC2

Design and Fabrication of Printed Circuit Boards (4)

Robotics (4)

: Mobile Applications Development (4) 3 Internet and Java Programming (4) : Programming with LabVIEW (4)

#### Other Discipline - GE 1 to GE 4

Mathematics

Computer Science

: Physics

Biomedical Science

Chemistry

: Commerce

Any other discipline of Choice

#### Generic Elective Papers (GE) for other Departments/Disciplines: (Credit: 06 each)

: Electronic Circuits and PCB Designing (4+4)

: Digital System Design (4+4)

: Instrumentation (4+4)

Practical Electronics (4+4) : Communication Systems (4+4)

: Microprocessor and Microcontroller Systems (4+4)

: Consumer Electronics (4+4)

Skill Enhancement Course -2 SEC -2 2

Generic Elective -4 GE-4 4/5 Generic Elective -4 Practical 2/1

XI : Organic Chemistry-IV 4

Practical Organic Chemistry-IV Lab 2

XII: Physical Chemistry-V 4 XII: Practical Physical Chemistry-V Lab 2

Discipline Specific Elective -1 DSE-1 4

Discipline Specific Elective -1

Practical/TutoriaL DSE-1 Lab 2

Discipline Specific Elective -2 DSE-2 4 Discipline Specific Elective- 2

Practical/Tutorial DSE-2 Lab 2

XIII: Inorganic Chemistry-IV 4

XIII: Practical Inorganic Chemistry-IV Lab 2

XIV: Organic Chemistry-V 4

XIV: PracticalOrganic Chemistry-V Lab 2

Discipline Specific Elective -3 DSE-3 4

Discipline Specific Elective -3

Practical/Tutorial DSE-3 Lab 2

Discipline Specific Elective-4 DSE-4 4

Discipline Specific Elective -4

Practical/Tutorial DSE-4 Lab 2

# **B** Sc (H) Mathematics

#### LIST OF PAPERS

#### **Core Papers**

I : C 1 Calculus (including practicals

(English communication /MIL)/ Environmental Science

C 2 Algebra

II : C 3 Real Analysis (English communication /MIL)/

Environmental Science

GE-2 ·

C 2 Algebra II

C 3 Real Analysis

(English communication/MIL)/Environmental Science

GE-2

C 4 Differential Equations (including practicals)

III : C 5 Theory of Real functions

SEC-1 LaTeX and

GE-3 HTML

C 6 Group Theory-I

: C 7 Multivariate Calculus (including practicals)

IV : C 8 Partial Differential Equations (including practicals)

SEC-2 Computer Algebra Systems and Related Softwares

GE-4

: C 9 Riemann Integration & Series of functions

: C 10 Ring Theory & Linear Algebra-I

V : C 11 Metric Spaces

: DSE-1 (including practicals) (I)

Numerical Methods or (ii) Mathematical Modeling and Graph

Theory or (iii) ++ Programming

**DSE-2** (I) Mathematical

Finance or (ii) Discrete Mathematics or (iii) Cryptography and

Network Security

: C 12 Group Theory-II

 ${
m VI}~:~{
m C}~13$  Complex Analysis (including practicals

DSE-3 (I) Probability theory & Statistics or

(ii) Mechanics or (iii) Bio-Mathematics

**DSE-4** (i) Number Theory or (ii) Linear Programming and

Theory of Games or (iii) Applications of Algebra

: C 14 Ring Theory and Linear Algebra-II

# **B Sc (H) Physics**

#### LIST OF PAPERS

#### **Core Papers**

1 : Mathematical Physics-I

2 : Mechanics

3 : Electricity and Magnetism

4 : Waves and Optics

5 : Mathematical Physics-II

6 : Thermal Physics

7 : Digital Systems and Applications

8 : Mathematical Physics III

9 : Elements of Modern Physics

10 : Analog Systems and Applications11 : Quantum Mechanics and Applications

12 : Solid State Physics

13 : Electromagnetic Theory

14 : Statistical Mechanics

#### Discipline Specific Elective Papers:

1 : Experimental Techniques

2 : Advanced Mathematical Physics

3 : Embedded systems-Introduction to Microcontroller

4 : Nuclear and Particle Physics

5 : Physics of Devices and Communication

6 : Astronomy and Astrophysics

7 : Atmospheric Physics
8 : Biological physics

8 : Biological physics

9 : Advanced Mathematical Physics-II

10 : Communication System

11 : Applied Dynamics

12 : Verilog and FPGA based system design

13 : Classical Dynamics

14 : Digital Signal processing

15 : Nano Materials and Applications

16 : Physics of the Earth

17 : Medical Physics

18 : Dissertation

#### Skill Enhancement Courses (02 to 04 papers) - SEC1 to SEC4

1 : Physics Workshop Skills2 : Computational Physics Skills

: Electrical circuits and Network Skills

4 : Basic Instrumentation Skills

5 : Renewable Energy and Energy harvesting

6 : Technical Drawing

7 : Radiation Safety

8 : Applied Optics

9 : Weather Forecasting

#### Generic Elective Papers (GE) (Minor-Physics) for other

#### Departments/Disciplines:

1 : Electricity and Magnetism

2 : Mathematical Physics

3 : Digital, Analog and Instrumentation

4 : Applied Dynamics

5 : Medical Physics

6 : Waves and Optics

7 : Quantum Mechanics

8 : Communication System

: Verilog and FPGA based system design

10 : Nano Materials and Applications

11 : Mechanics

2 : Elements of Modern Physics

13 : Solid State Physics

14 : Embedded System: Introduction to microcontroller

15 : Biological physics

16 : Thermal Physics

17: Digital Signal processing
18: Nuclear and Particle Phys

18 : Nuclear and Particle Physics19 : Astronomy and Astrophysics

20 : Atmospheric Physics

21 : Physics of the Earth

# B Sc (H) Zoology

#### LIST OF PAPERS

: Ability Enhancement Compulsory Course-I English

communications/ Environmental Science 2

Core course-I Non-chordates I: Protista to Pseudocoelomates 4

Core Course-I Practical 2

: Core course-II Principles of Ecology 4

: Core Course-II Practical 2

: Generic Elective -1 GE-1 4 Generic Elective -1

Practical/Tutorial 2

II : Ability Enhancement Compulsory Course-II English Communications/ Environmental Science 2

: Core course-III Non-chordates II: Coelomates 4

: Core Course-III Practical 2

: Core course-IV Cell Biology 4

: Core Course-IV Practical 2

: Generic Elective -2 GE-2 4

: Generic Elective -2 Practical 2

III : Core course-V Diversity of Chordata 4

: Core Course-V Practical 2

: Core course-VI Physiology: Controlling and Coordinating

systems 4

: Core Course-VI Practical 2

: Core course-VII Fundamentals of Biochemistry 4

: Core Course-VII Practical 2

Skill Enhancement Course-1 SEC-1 4

: Generic Elective -3 GE-3 4

: Generic Elective -3 Practical 2

IV : Core course-VIII Comparative anatomy of vertebrates 4

: Course-VIII Practical 2

: Core course-IX Physiology: Life Sustaining Systems 4

: Course-IX Practical 2

: Core course-X Biochemistry of Metabolic Processes 4

: Core Course- X Practical 2

: Skill Enhancement Course-2 SEC-2 4

Generic Elective -4 GE-4 4

Generic Elective - 2

: 4Practical

: Core course-XI Molecular Biology 4

: Core Course-XI Practical 2

Core course-XII Principles of Genetics 4 Core Course-XII

Practical 2

Discipline Specific Elective -1 DSE-1 4

Discipline Specific Elective -1 Practical 2

Discipline Specific Elective -2 DSE-2 4

: Discipline Specific Elective- 2 Practical/Tutorial 2

VI : Core course-XIII Developmental Biology 4

: Core Course-XIII Practical/Tutorial 2

: Core course-XIV Evolutionary Biology 4

Core Course-XIV Practical/Tutorial 2

Discipline Centric Elective -3 DSE-3 4

Discipline Centric Elective -3 Practical/Tutorial 2

Discipline Centric Elective-4 DSE-4 4

: Discipline Centric Elective -1 Practical/Tutorial 2

# **B** Sc Life Science

#### LIST OF PAPERS

#### Core Course -Botany

: Biodiversity (Microbes, Algae, Fungi and Archegoniatea)

: Plant Ecology and Taxonomy

3 : Plant Anatomy and Embryology

: Plant Physiology and Metabolism Discipline Specific Elective -Botany(Any two) DSE-I (Any one)

1 : Cell and Molecular Biology

Bioinformatics

#### DSE-II (Any one)

3 : Economic Botany and Biotechnology

: Ananlytical Techniques in Plant Sciences

#### Ability Enhancement Compulsary Courses

1 : Enviromental Science

: English/Mil Communication

#### Skill Enhancement Courses (four)

I-1: Biofertilizers

II -2: Medicinal Botany

III-3: Ethnobotany

IV-4 : Intellectual Property Rights

#### Core Courses -Botany

1 : Biodiversity (Microbes, Algae, Fungi and Archegoniate)

Plant Ecology and Taxonomy

: Plant Anatomy and Embryology

: Plant Physiology and Metabolism

#### Discipline Specific Elective-Botany(Any two)

: Economic Botany and Biotechnology

2 : Cell and Molecular Biology

Analytical Techniques in Plant Science

: Bioinformatics

#### **Ability Enhancement Compulsory Courses**

1 : Environmental Science

English/MIL Communication

#### Skill Enhancement Courses (four)

#### **Botany**

Biofertilizers

Medicinal Botany

Ethnobotany

Intellectual Property Right

#### Core Course -Botany

1 : Biodiversity (Microbes, Algae, Fungi and Archegoniate)

Plant Ecology and Taxonomy

Plant Anatomy and Embryology

Plant Physiology and Metabolism

Core Course: Zoology

: Animal Diversity

Comparative Anatomy and Development

: Physiology and Metabolism

Genetics and Evolutionary Biology

#### **Core Course -Chemestry**

Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons

Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I

: Conductance, Electrochemistry & Functional Group Organic

Chemistry of s- and p-block elements, States of matter and Chemical Kinetics

#### Discipline Specific Electives-Botony (Any two)

: Econimic Biology

: Cell and Molecular Biology

Analytical Techniques in Plant Science

: Bioinformation

Research Methodology

Dissertation

Discipline Specific Elective: Zoology(Any two)

: Reproductive Biology

Wild Life Conservation and Management

Biotechnology : Immunology

: Applied Zoology

Dissertation

Application of Computers in Chemistry

Analytical Methods in Chemistry Molecular Modelling & Drug Design

Novel Inorganic Solids

Polymer Chemistry

Research Methodology for Chemistry

Grenn Chemistry

: Industrial Chemicals & Environment

: Inorganic Materials of Industrial

: Intrumental Methods of Analysis

11 : Chemistry of d-block elements, Quantum Chemistry and Spectroscopy

Organometallics, Bioinorganic chemistry, Polynuclear

hydrocarbon and UV,IR Spectroscopy.

13 : Molecules of Life

14 : Disssertation

**Ability Enhancement Compulsory Courses** 

: Enviromental Science

English/MIL Communication

Skill Enhancement Courses (Any four)

: Biofertilizers

: Herbal Technology

Nursery and Gardening

Floriculture

: Medicinal Botany

: Plant Diversity and Human Welfare

Ethnobotany

: Mushroom CULTURE Technology

: Intellectual Property Right

Zoology

10 : Public health & hygiene

Aquarium Fish keeping

Pisciculture 12 : 13 : Poultry Farming

14 : Sericulture

15 : Apiculture

Chemistry

16 : IT Skills for Chemists

17 : Basic Analytical Chemistry

18 : Chemical Technology & Society

19 : Chemoinformatics

20 : Business Skills for Chemists

Intellectual Property Rights 21 :

Analytical Clinical Biochemistry

Green Methods in Chemistry Pharmaceutical Chemistry

25 Chemistry of Cosmetics & Perfumes

26 : Pesticide Chemistry

27 : Fuel Chemistry

# B Sc (H) Computer Science

1. Programming Fundamentals using C++

2. Computer System Architecture

3. Programming in JAVA

4. Discrete Structures

5. Data Structures

6. Operating Systems

7. Computer Networks

8. Design and Analysis of Algorithms

9. Software Engineering

10. Database Management Systems

11. Internet Technologies

12. Theory of Computation

13. Artificial Intelligence

14. Computer Graphics

Discipline Specific Elective

1. System Programming

2. Numerical Methods

3. Operational Research for Computer Science

3. Microprocessor

4. Modeling and Simulation

5. Advanced Algorithms

6. Machine Learning

7. Introduction to Data Sciences

8. Combinatorial Optimization

9. Digital Image Processing

9. Data Mining

10. Project Work / Dissertation

Skill Enhancement Course

1. Android Programming

2. PHP Programming

Note: For details of papers in BA (H) Business Economics, BA and B Sc Physical Sciences, check University of Delhi Website. www.du.ac.in University can change the syllabus, Kindly refer to University of Delhi website for most recent updates on syllabus,

# **FEE DETAILS**

S No.	Head	B.A. B.A.(Hons)	B.Com	B.Sc (Hons)/ B.Sc Life Sc/ B.Sc Physical Sc/ B.Com (Hons)	M. A.(P)/ M.Com (P)/ M.Sc.Maths (P)	M.Sc. Previous Yr.
1	Tuition Fee	180	180	180	216	216
2	Admission Fee	5	5	5	5	5
3	College Library Fee	400	400	400	400	400
4	College Laboratory Fee	0	50	50	0	0
5	House Exam Fee	400	400	400	400	400
6	Medical Fee	25	25	25	25	25
7	Development Fund	5000	5000	5000	5000	5000
8	College Magazine Fee	300	300	300	300	300
9	Identity Card Fee*	150	150	150	150	150
10	Water & Electricity charges	860	860	860	860	860
11	Garden Fee	400	400	400	400	400
12	Computer Fee	1500	1500	1500	1500	1500
13	Sports/Ground Dev. Fee	2000	2000	2000	2000	2000
14	Students' Welfare Fund	500	500	500	500	500
15	Students' Aid Fund	200	200	200	200	200
16	Students' Societies Fund	2500	2500	2500	2500	2500
17	Students' Union Fund	1000	1000	1000	1000	1000
18	University Enrol. Fee*	200	200	200	150	150
19	Security Deposit (Refundable)*	500	500	500	500	500
20	Divinity Fund	600	600	600	600	600
21	University Students' Union	20	20	20	20	20
22	NSS	100	100	100	100	100
23	NCC	100	100	100	100	100
24	University Athletic Association	50	50	50	50	50
25	University Cultural Council	10	10	10	10	10
26	W U S Health Centre	5	5	5	5	5
27	General Maintenance	3000	3000	3000	3000	3000
28	University Development Fund	600	600	600	600	600
29	University Library Fee	0	0	0	3	3
30	University Laboratory Fee	0	0	0	0	25
31	Prevention of Sexual Harassment Fee	10	10	10	10	10
32	Lab Development Fund	0	6000	6000	0	0
33	University Lib. Development Fund	0	0	0	200	200
34	Univ. Lib.Security Dep.(refundable)	0	0	0	1000	1000
35	Placements	300	300	300	300	300
		20.017	20.00	D0.00=	22.42.4	20.422
	Grand Total	20,915	26,965	26,965	22,104	22,129

Note: In addition to the above, Examination Fee will be charged as applicable for each course, as per the University details.

Students of foreign nationalities, except Tibet, have to pay an additional fee of INR 14200 (as per USD conversion rate).

<sup>\*</sup> to be paid once. # for issue of duplicate ID card, a fee of Rs. 500/- will be charged.

# **FEE DETAILS**

S No.	Head	B.A. (H) Business Economics
1	Tuition Fee	180
2	Admission Fee*	5
3	College Library Fee	400
4	College Lab Fee	50
5	House Exam Fee	400
6	Medical Fee	25
7	Development Fund	5000
8	College Magazine Fee	300
9	Identity Card Fee*#	150
10	Water & Electricity charges	860
11	Garden Fee	400
12	Computer Fee	1500
13	Sports/Ground Dev. Fee	2000
14	Students' Welfare Fund	500
15	Students' Aid Fund	200
16	Students' Societies Fund	2500
17	Students' Union Fund	1000
18	University Enrol. Fee*	200
19	Security Deposit (refundable)*	500
20	Divinity Fund	600
21	University Students' Union	20
22	NSS	100
23	NCC	100
24	University Athletic Association	50
25	University Cultural Council	10
26	W U S Health Centre	5
27	General Maintenance	3000
28	University Development Fund	600
29	Prevention of Sexual Harassment Fee	10
30	Lab Dev. Fund	6000
31	Placements	300
32	Activity Fee	2000
33	BBE Admission Fee	15000
	Total	43,965

 $<sup>\</sup>ast$  to be paid once. # for issue of duplicate ID card, a fee of Rs. 500/- will be charged.

# **UNDERGRADUATE ADMISSIONS 2019-20**

## 1. Admissions to Undergraduate courses in 2019-20

• Admissions to undergraduate courses at the University of Delhi are **merit-based** (that is, based on marks scored in Class XII Board/qualifying examinations) or **entrance-based** (that is, based on written/practical tests depending on the course selected by an aspiring student).

#### 1. Merit-Based Undergraduate Courses offered

Undergraduate courses are offered in various streams of studies under different faculties namely Arts, Social Sciences, Humanities, Commerce and Business Studies, Mathematical Sciences, Sciences and Applied Sciences. Courses and the various criteria for eligibility are listed below. **Applicants must check these thoroughly to see if they satisfy the requirements.** 

#### 1.1. Course-wise Merit List for Merit-based UG Admissions

The suggested course-wise and category-wise merit list published on the University website will be adhered to by the College.

The marks entered by the applicant will serve as the basis for computing the total marks for course-specific combinations of "Best Four" for admission in courses through the faculties of Arts, Commerce, Mathematical Sciences, Music, Social Sciences, Applied Social Sciences & Humanities, and "Three Subjects" for admission in courses under faculties of Sciences and Applied Sciences. This may be displayed on the Admissions portal before the declaration of First Cut-Off marks by the Colleges/Departments.

A separate updated merit list will be published as an Annexure for applicants whose marks are updated after the publication of the Suggested Course and Category-wise merit list.

In order to facilitate the said Merit List, the applicant may choose subjects as relevant from List A and List B.

## 1.1.1. List of Subjects

List A: Language subjects							
List A1					List A2		
Assamese Core/	Gujarati Core/	Maithili Core/	Odiya Core/	Tamil Core/	Arabic Core/		
Assamese Elective	Gujarati Elective	Maithili Elective	Odiya Elective	Tamil Elective	Arabic Elective		
Bengali Core/	Hindi Core/	Malayalam Core/	Punjabi Core/	Telegu Core/	French Core/		
Bengali Elective	Hindi Elective	Malayalam Elective	Punjabi Elective	Telegu Elective	French Elective		
Bodo Core/	Kannada Core/	Manipuri Core/	Sanskrit Core/	Urdu Core/	German Core/		
Bodo Elective	Kannada Elective	Manipuri Elective	Sanskrit Elective	Urdu Elective	German Elective		
Dogri Core/	Kashmiri Core/	Marathi Core/	Santhali Core/		Italian Core/		
Dogri Elective	Kashmiri Elective	Marathi Elective	Santhali Elective		Italian Elective		
English Core/	Konkani Core/	Nepali <sup>Core/</sup>	Sindhi Core/		Spanish Core/		
English Elective	Konkani Elective	Nepali Elective	Sindhi Elective	_	Spanish Elective		

List B (Elective subjects)		
Accountancy	Computer Science/ Computer Applications/ Informatics Practices	Mathematics
Anthropology	Economics	Philosophy/ Logic and Philosophy
Biology/Biochemistry/ Biotechnology	Geography	Physics
Business Mathematics	Geology	Political Science
Chemistry	History	Psychology
Civics	Home Science	Sociology
Commerce/Business Studies	Legal Studies	Statistics

#### Note:

The University may define any other relevant subjects as academic/elective for a particular course. In case an applicant has studied elective and core languages, the core/elective language subject will be treated as language, while elective language can be considered as academic/elective subject.

## 1.2. Special Instructions for Boards other than CBSE

- 1. If a paper's title does not match with what is specified in List A and List B above, it is mandatory for the applicant to provide a content equivalence certificate from the Principal/Head of the Institution last attended, certifying that the paper's content is equivalent to NCERT Class XII syllabus for that paper. This equivalence certificate must be accompanied by a copy of the syllabus of the paper attested by the Principal/Head of the Institution. However, the University of Delhi's decision on the matter will be final and binding.
- 2. If the applicant has studied "Botany" and "Zoology" separately, the total of marks in both these papers must be entered in the respective fields for theory and practicals under the heading "Biology" in the field provided in your admission form.
- 3. The applicant must enter **only the Class XII marks** in the respective fields provided in the admission forms.
- 4. Applicants should have passed theory and practical separately. Any paper with both theory and practical component will be considered only in the ratio **70 (theory)**: **30 (practical)** if the theory component of the paper is less than 70%. The applicant should separately fill into the online Admission Form the marks obtained and maximum marks for theory and practical each, and the totals, as per their marksheet. In case the **theory/practical breakup** is **not specified**, the applicant will be required to enter "0" (zero) in the concerned theory/practical fields, and enter only the total in the online Admission Form.
- 5. "Internal Assessment" marks mentioned in the marksheet will not be used for any calculations.
- 6. Any discrepancy in the entry of marks pertaining to theory, practicals or totals will be the sole responsibility of the applicant. Your application form may be summarily rejected.

## 1.3. Meritbased admission to courses offered through the Faculty of Arts/Social Sciences (A maximum of two language subjects may be allowed for the calculation of marks for 'Best Four' Combination)

# Out of three academic/elective subjects chosen, one must be the concerned subject in which the admission is sought, failing which a deduction of 2.5% will be imposed on the calculated 'Best Four' percentage

Course	Minimum Percentage Required and Specific Requirements	
B.A. (Hons.) English	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.	
	The applicant must have studied and passed English in the qualifying exam and should include English for calculation of 'Best Four' percentage.	
B.A. (Hons.) Hindi	An aggregate of 45% marks in the qualifying examination.	
	Applicants securing 40% marks in the aggregate and 50% marks in the subject concerned are also eligible for admission to the relevant Honours Course.	
	The merit shall be determined on the basis of one language and three best academic/elective subjects. The applicant must have studied and passed Hindi in the qualifying exam and should include Hindi for calculation of 'Best Four' percentage.	
	Applicants who have passed the intermediate Examination of an Indian University/Board with at least 40% marks in the aggregate and also "Prabhakar in Hindi" shall be eligible for admission.	
	For admission to Honours in Hindi, the applicant must have studied and passed the respective language in the qualifying exam and should include respective language for calculation of 'Best Four' percentage.	
B.A. (Hons.)	An aggregate of 45% marks in the qualifying examination.	
	Applicants securing 40% marks in the aggregate and 50% marks in the subject concerned are also eligible for admission to the relevant Honours Course.	
	The merit shall be determined on the basis of one language and three best academic/elective subjects.	
	Applicants who have passed the intermediate Examination of an Indian University/Board with at least 40% marks in the aggregate and also one of the following examinations given	
Punjabi	below on the left shall be eligible for admission to the respective subject of the Honours Course given below:	
	Gyani in Punjabi	
	For admission to Honours in any language course, advantage of 2% in the 'Best Four' percentage will be given to those applicants who have studied that particular elective language.	
	In case the applicant has not studied a language at qualifying exam and is seeking admission to Honours in that language, deduction of 5% will be imposed on 'Best Four' percentage.	

# B.A. (Hons.) History/ Political Science	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.		
# B.A. (Hons.) Economics	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.  The applicants must have studied and passed Mathematics at the qualifying exam for admission to B.A. (Honours) in Economics.		
B.A. Program (Discipline Subjects based Admission Criteria)	An aggregate of 40% marks in the qualifying examination.  The merit shall be determined on the basis of one language and three best academic/elective subjects.  One Language (Core/Elective/Functional)  Any three elective subjects can be chosen. A deduction of upto 5% on 'Best Four' percentage may be imposed if there is a change of stream for admission to B.A. program, which means either from Commerce stream to or Science stream to Arts/Humanities/Social Sciences.  One non-listed subject (besides the elective subjects in Lists A and B) can be included in calculation of 'Best Four' without any deduction.  If more than one non-listed subject is included for calculation of 'Best Four', a deduction of 2.5% each in 'Best Four' may be levied in addition to deduction due to change of stream, if any.  Note:  i. The college will have to notify the actual deduction upto 5% for change of stream beforehand by uploading on their website and intimating the same to the University.  ii. If more than one non-listed subject is included for calculation of 'Best Four', a deduction of 2.5% each in 'Best Four' may be levied in addition to deduction due to change of stream, if any.		

# 1.4. Merit based admission to courses offered through the Faculty of Commerce and Business Studies

Course	Minimum Percentage Required and Specific Requirements	
B.Com. (Hons.)	An aggregate of 45% marks in the qualifying examination.	
	The applicant must have studied and passed Mathematics/Business Mathematics at the qualifying examination for admission to B. Com. (Hons.).	
	Selection shall be made on the basis of marks obtained in qualifying examination including one language and three best subjects as per the following:	
	An aggregate of 45% or more in English/Hindi and combination of best three among the following subjects: Mathematics, Accountancy, Economics and Business Studies/Commerce.	
	Inclusion of any subject from List B other than mentioned above in the combination of best three will lead to a deduction of $1\%$ per subject on the aggregate.	
	Inclusion of any subject other than those in Lists A and B in the combination of best three will lead to a deduction of 2.5% per subject on the aggregate of the Best Four.	
B.Com.	An aggregate of 40% marks in the qualifying examination.	
	Selection shall be made on the basis of marks obtained in qualifying examination including one language and three best subjects as per the following:	
	An aggregate of 40% or more in English/Hindi and combination of best three among the following subjects: Mathematics, Accountancy, Economics and Business Studies/Commerce.	
	Inclusion of any subject from List B other than mentioned above in the combination of best three will lead to a deduction of $1\%$ per subject on the aggregate.	
	Inclusion of any subject other than those in Lists A and B in the combination of best three will lead to a deduction of 2.5% per subject on the aggregate of the Best Four.	

# 1.5. Merit-based admission to courses offered through the Faculty of Mathematical Sciences

Course	Minimum Percentage Required and Specific Requirements	
B.Sc. (Hons.) Computer Science	Mathematics, one language and two other subjects listed as academic subjects Should have secured	
·	<ul> <li>a) 60% or more marks in Mathematics</li> <li>b) 60% or more marks in aggregate of four subjects including Mathematics, one language and two other subjects listed as Academic Subjects.</li> </ul>	
	The admission would be based on the aggregate of marks scored in class XII in best for academic subjects inclusive of one language, Mathematics and two out of Physics, Chemist and Computer Science/Informatics Practices.	
	The students from other streams, (with Mathematics in Class XII), will have a disadvantage of 2% in aggregate of required four subjects, i.e. Mathematics + one language + two academic subjects from those streams.	
B.Sc. (Hons.)	50% marks in Mathematics and an aggregate of 45% marks in the qualifying examination.	
Mathematics	The Merit shall be determined on the basis of one language, Mathematics and two best elective/academic subjects	

# 1.6. Merit based admission to courses offered through the Faculty of Sciences and Inter Disciplinary & Applied Sciences

Course	Minimum Percentage Required and Specific Requirements		
B.Sc. (Hons.) Botany/	For Biological Sciences/Botany/Microbiology/Zoology: 55% or more marks in the aggregate of Physics, Chemistry, Biology/Biotechnology		
Zoology	(Practical& Theory together) And passing in one compulsory language i.e. English with 50% marks.		
B.Sc. (Hons.) Chemistry/ Physics	The overall percentage in Physics, Chemistry and Mathematics should be 55% and one compulsory language should be 50%.		
B.Sc. (Hons.) Electronics	The overall percentage in Physics, Chemistry and Mathematics. should be 55% and one compulsory language should be 50%.		
B.Sc. (Prog.) Applied Applied Physical Science  45% or more marks in the aggregate of Physics, Chemistry/Comp Mathematics (Practical & Theory together) and passing in one compulsory English).			
	OR		
	45% or more marks in the aggregate of 3 subjects Physics, Chemistry/Computer Science, Mathematics (Practical & Theory together) and 40% in one compulsory language		
	Selection will be made on the basis of marks in the aggregate of Physics, Chemistry/Computer Science, Mathematics		
B.Sc. (Prog.) Life Science	45% or more marks in the aggregate of Physics, Chemistry, Biology / Biotechnology (Practical & Theory together) and passing in one compulsory language (i.e. English).		
	OR		
	45% or more marks in the aggregate of 3 subjects Physics, Chemistry, Biology / Biotechnology (Practical & Theory together) and 40% in one compulsory language.		
	Selection will be made on the basis of marks in the aggregate of Physics, Chemistry, Biology/Biotechnology		

#### Note:

- The University may define any other relevant subjects as academic/elective for a particular course.
- In case an applicant has studied elective and core languages, the core/elective language subject will be treated as language, while elective language can be considered as academic/elective subject.
- For the calculation of Best Four subjects percentage for Arts/Humanities honours courses, if the applicant includes subjects other than those given in Lists A and B, then a deduction of 2.5% of maximum marks will be levied for each such subject for the purpose of calculating 'Best Four'.
- The applicant are required to take out the print out of the form from the admissions portal, and the required supporting original documents along with their photocopies, and 3 recent passport size photographs.
- The applicant shall present the documents in the college and produce their originals for online verification, after which the Principal of the college approves the admission.
- In case, where all documents cannot be verified online, the College will give provisional admission. Admitted provisional student have to produce the originals of the required mandatory documents to the College within a week after the last day of UG Admissions for forensic verification, failing which the admission of the said provisional student may be cancelled by the College.
- All colleges shall admit all applicants who meet the announced cut-off criteria. There will not be any "first come first serve" policy.
- Late arrivals outside of the prescribed duration of each cut-off will **not be entertained.**
- Eligible Applicants of the **(n-1)th** Cut-Off List, if any, shall be entertained for admissions only in the last hour of the third day of current **nth** Cut-Off subject to the availability of vacant seats.

# 2. Entrance-based Admission to Undergraduate Courses

Admission to undergraduate courses based on entrance examinations (wherein admissions will be made based on marks scored in the entrance test and qualifying class XII examination) are offered by the University of Delhi through some of its colleges.

The National Testing Agency (NTA) has been entrusted with the conduct of University of Delhi Entrance Examination 2019 for Admissions to Entrance based Undergraduate and Postgraduate Courses.

#### 2.1. General Pattern of Entrance Examinations

- 1) Selection/ Admission will be done according to the merit list prepared on the basis of the marks secured in the written entrance examination (For Physical Education Sciences, there will also be a practical entrance examination in addition.).
- 2) The written entrance examination, of two hours duration, will consist of multiple choice questions (MCQs) (four choices each) designed to evaluate the aptitude of the applicants through areas as relevant to each subject.
- 3) There will be 100 questions. Each correct answer will get a score of plus 4 marks, each wrong answer will get a score of minus 1 mark and a question not answered will get a score of zero marks.
- 4) For admission to Music courses, the entrance examination will be of a practical nature.

# **2.2. Eligibility and Selection Procedure for UG Courses under Entrance based Admissions** \*List A and List B remain the same as in the previous section.

### 2.2.1. Courses offered through the Faculty of Applied Social Sciences and Humanities

Course	Eligibility and Basis of Selection	
B.A.(Hons.) Business	Aggregate of 60% or more marks in the qualifying examination in four subjects: English, Mathematics and any two other subjects included in List B.	
Economics	Selection will be based on the rank computed from the combined weighted average of percentage scored in the entrance test and the percentage scored in the qualifying examination where the weights are: Entrance Test: 65%, Qualifying Examination: 35%.  The entrance exam will test the following areas:  Quantitative Ability	
	Reasoning and Analytical Ability General English Business and General Awareness	

- In no case will admission be granted to any applicant whose name has appeared in the allotment list but who fails to meet the minimum eligibility criteria for the course. Registration fee will not be refunded in any circumstances.
- The college strictly follows the University guidelines with respect to gap year policy. Applicants with gap year(s) will not be at any disadvantage for the purpose of admission to undergraduate courses.
- In case of a tie for rank in the last seat in a college, the following tie breaking rule applies:
  - 1. The applicant with higher percentage of marks (aggregate of best four subjects including one language) in the qualifying examination will be considered first for all otment/admission.
  - 2. The applicant with the higher entrance test score will be considered first for allotment/admission.
  - 3. The applicant with higher percentage of marks (aggregate of best five subjects including one language) in the qualifying examination will be considered first for allotment/admission.
  - 4. Further, if the applicants have secured equal marks in the qualifying examination, then applicant having an earlier date of birth (as mentioned in class X certificate) will be considered for allotment/admission.

#### 3. Reservation for Sikh Minority

College has been granted Sikh Minority Educational Institution status. 50% of the seats in all courses are reserved for the Sikh candidates. The students taking admission under Sikh minority reservation shall produce the Sikh Minority certificate issued by Delhi Sikh Gurudwara Management Committee, Shri Gurudwara Rakab Ganj Sahib, New Delhi.

#### 4. Reservations for SC/ST/OBC/EWS

The college being a Sikh minority institution has no purview of providing reservation to SC/ST/OBC/EWS.

The merit list for the unreserved category (UR) seats will comprise all the applicants in order of merit. No one will be excluded from the same. In other words, it will also include SC / ST / OBC / EWS applicants, if they meet the criterion of merit for UR category.

No applicant will be excluded from the UR category merit list just because the applicant belongs to or has applied under SC/ST/OBC/EWS category. Such an applicant is entitled to be considered under the UR category, as well as under the reserved category (where applicable). Admission to UR category seats will be strictly in order of the merit without excluding SC/ST/OBC applicants.

5. Reservation for Persons with Disability; for Children/Widows of Personnel of the Armed Forces; Kashmiri Migrants; PM's Special Scholarship for J&K; nominated Sikkimese Students; Ward Quota

#### 5.1. Reservation of Seats for Persons with Disabilities (PwD)

The specified categories of disabilities are mentioned in the University of Delhi Information Bulletin 2019-20.

PwD applicants shall be given a relaxation in the minimum eligibility in the qualifying examination and in the minimum eligibility (if any) in the admission entrance exam to the extent of 5%.

### 5.1.1. Concessional/Waiver of fees in respect of Persons with Disabilities (PwD)

Consequent upon amendment to Ordinance X(4) of the University, the following provision has been added after Sub-clause 2 of Ordinance X(4) of the said Ordinance:

- a) Provided that the Persons with Physical Disabilities **shall be waived off all the fees payable** including the Examination fee and other University fees, except Admission fee, subscription towards Delhi University Students' Union and Identity Card fee for pursuing under-graduate courses in the College.
- b) In pursuance of the above, the applicants with physical disabilities pursuing various courses of study in the Colleges of the University shall be **exempted from payment of fees, including examination fee and other University fees,** except Admission fee, subscription towards Delhi University students' Union and Identity Card fee.
- c) PwD applicants who will meet the cut-off for the unreserved category and will take admission in the unreserved category (UR) will pay the fee relevant for PwD applicant.
- d) In pursuance of the Executive Council Resolution No. 50 dated 03.11.2012, it is notified that the students with physical disabilities residing in different Hostels / Halls of the University are exempted from payment of all hostel fees and charges except refundable caution fee and the mess fees. The persons with Physical Disabilities shall pay 50% of the Mess fee and the remaining 50% of the Mess Fee-in respect of the PwD students is being met by the University of Delhi. Similar norms are to be adopted by the College in respect of PwD Students residing in various hostels of the College.
- e) PwD students who are getting fellowships / financial assistance shall be exempted from payment of fees/ charges / mess fees subject to the following conditions. All admitted PwD students in colleges who are eligible for fellowships should submit their scholarship forms to the requisite office by February for timely processing.

The specified categories of disabilities are mentioned in the University of Delhi Information Bulletin 2019-20.

Applicants must furnish a valid disability certificate issued by a recognized Government hospital, bearing a photograph of the applicant.

## 5.2. Reservation for Children/Widows of Personnel of the Armed Forces (CW)

- 1. Five percent (5%) of seats are reserved for applicants under this category, course-wise.
- 2. All such applicants have to upload the Educational Concession certificate in the enclosed format to be issued by **any of the following authorities** on the proper letterhead:
- a) Secretary, Kendriya Sainik Board, Delhi.
- b) Secretary, Rajya Zila Sainik Board.
- c) Officer-in-Charge, Record Office.
- d) 1st Class Stipendiary Magistrate.
- e) Ministry of Home Affairs (For Police Personnel in receipt of Gallantry Awards)

Admission may be offered to the Children/Widows of Personnel of the Armed Forces (Priority I to IX) including Para-Military Personnel (only Priority I to V) in order of preference given in University of Delhi Information Bulletin 2019-20. Format of the Educational Concession Certificate is available in the University of Delhi Information Bulletin 2019-20.

# 5.3. Reservation of Kashmiri Migrants (KM) (Supernumerary Seats)

- 1. Up to 5% seats are reserved course-wise in all colleges for the wards of Kashmiri Migrants.
- 2. All the wards of Kashmiri Migrants will have to upload a certificate of registration as Kashmiri Migrants issued by Divisional Commissioner/ Relief Commissioner.
- 3. Admission of Wards of Kashmiri Migrants will be based on cut-offs to be announced by the Colleges. A concession of maximum 10% in the last cut-off marks fixed for unreserved category applicants shall be extended to the Kashmiri Migrants.
- 4. Reservation under this category is not available in entrance-based courses

# ${\bf 5.4.\, Prime\, Minister's\, Special\, Scholarship\, Scheme\, for\, J\&K\, students}$

The applicants selected under Prime Minister's special scholarship scheme for J&K students will be admitted directly to the Colleges. Reservation under this category is not available in courses where admission is based on entrance tests.

#### 5.5. Nomination of seats for Sikkimese Students

Sikkimese students nominated by the Govt. of Sikkim shall be considered for admission by the University in College (AC Resolutions 51 dated 05/06/1980 and 122 dated 17/12/1990). The allocation of Sikkimese students for admission as well as for hostel accommodation in respective colleges be made by the Vice-Chancellor at his discretion. Reservation under this category is not available in entrance-based courses. The number of these nominated seats is given in University Information Bulletin 2019-20.

#### 5.6. Seats for Ward Quota

Admission to the wards of University and College permanent in-service employees, both teaching and non-teaching, to the various undergraduate courses, excluding professional courses and other courses where admission is made on the basis of entrance test, is made according to the following criteria:

- 1. Admission to wards (children) of the permanent in-service employees at the college where employees are working be given on the basis of merit among such applicants subject to ordinarily one seat for every unit of up to sixty students in a course and subject to fulfilment of course-specific eligibility conditions.
- 2. For admission of the wards (sons/daughters) of the permanent in-service employees of the University/other colleges (teaching/non-teaching) the total number of seats for admission will not exceed six (three for the teaching and three for the non-teaching employees) on the basis of merit among such applicants subject to a maximum of ordinarily one seat for every unit of up to sixty students in a course and subject to fulfilment of course-specific eligibility conditions.
- 3. The admissions on the above norms will be against seats over and above the normal strength.

# 6. Extra-curricular and Sports Quota (Supernumerary Seats)

It is mandatory for College to provide sports facilities and encourage all students to participate in sports and extracurricular activities by introducing inter-class competitions and mass sports. Representation of at least 1% each (of total intake capacity of the college) of ECA and Sports is mandatory for all colleges, subject to a ceiling of 5% (of total intake capacity of the college) in total for ECA and Sports together.

The existing provision of not more than 5% of Sports and ECA quota (subject-wise) is continued.

The actual number of seats to be filled on ECA and sports basis is decided keeping in view the facilities available, requirements of the Colleges and other relevant factors.

Additional information regarding schedule (including preliminary and final trials) and availability of seats will be notified on the University website.

 $Reservation\ under\ ECA\ and\ Sports\ categories\ is\ not\ available\ in\ courses\ where\ admission\ is\ based\ on\ entrance\ tests.$ 

It is mandatory for candidates selected in ECA and/or Sports Categories to submit an Undertaking on Non-Judicial Stamp Paper of Rs. 100/- at the time of admission stating that the candidate will participate in and/or represent the College and University, in all events as determined by College/ University, for the entire duration of the candidate's undergraduate course of study, failing which the admission to the college may be summarily cancelled.

Any candidate submitting false/fake certificates will be debarred from admission to any course in any college for three years. If a candidate seeks admission on the basis of false/fake certificates, not only will the admissions be cancelled, an FIR may also be registered.

## 6.1. Guidelines for Admissions under Extra Curricular Activities (ECA)

The admission of ECA applicants shall be administered through centralized trials based on the preferences of courses and colleges as indicated by the applicants. Information about available ECAs may be found in Annexures V.A. and V.B in University Information Bulletin 2019-20.

# Applicants may register for a maximum of three ECA categories.

- Not more than 15% concession in academic merit vis-à-vis Unreserved Category applicants for the last relevant cut-off may be given for admission to a specific course subject to course-specific eligibility criteria. Admissions under ECA category will only be allowed to applicants satisfying the course-specific minimum eligibility criteria.
- 2. Applicants are required to upload only one certificate (preferably that with the highest achievement) issued for the period May 1, 2016 up to April 30, 2019, in each Category they wish to apply for as a proof of their involvement in the relevant Category. They should carry all the relevant certificates for evaluation in case they are selected for final trials.
- 3. ECA trials will be held at two levels: (i) Preliminary trials; (ii) Final trials. The trials for admission under the ECA category shall be the conducted by an **ECA Committee (Admissions) appointed by the University Admission Committee and approved by the competent authority**
- 4. Dates and venues for the preliminary and final trials shall be notified and displayed on the University Website.
- 5. The applicant shall be allowed to appear in the preliminary trials only once in an event. **Any request for a second chance at trials will not be permitted.**
- Based on the preliminary trials, applicants short-listed for the final trials will be notified on the University Website.
- 7. Evaluation of Certificates by the ECA Admission Committee will be done only for those students who qualify for the final trials. The applicants must carry all the relevant certificates in original (and with self-attested photocopies) for evaluation at the time of the final trial.
- 8. The Final Merit lists shall be based on ECA performance (in the Final Trials) and certificate evaluation with a weightage of 75:25 respectively.
- 9. The applicant must secure at least 50% marks in the final trials (38 out of 75) to be eligible for inclusion in the Final Merit lists of selected candidates. Subcategory-wise Final Merit lists will be prepared for all eligible applicants only.
- 10. In case of a tie in the final marks (out of 100), the candidate with higher marks in the trials (out of 75) will be placed higher in the Final Merit list. In case a tie still persists, all such candidates will have the same rank.

- 11. The preliminary and final trials will be video graphed and recordings would be preserved till the last date of admission.
- 12. Subcategory-wise Final Merit Lists of the applicants, showing marks awarded for the ECA certificates and for performances in the Final Trials, shall be notified on the University Website.
- 13. Selection in a final Merit list does not guarantee admission to an applicant. Admission is subject to the availability of seats in a course/college for the relevant ECA sub-category.
- 14. Applicants will have to register in the colleges of their choice according to the schedule that will be notified on College/University websites.
- 15. The allotment of the course/subject to the qualified applicants shall conform to the University regulations. The admission of applicants thereafter will be completed on the University Admission Portal.
- 16. The college shall maintain a proper record of candidates admitted on the basis of ECA.
- 17. The list (soft copy) of finally admitted applicants on the basis of ECA shall be sent to Delhi University Culture Council by the constituent Colleges within seven days of the last date of admission of the University of Delhi.
- 18. The decision of the ECA Admission Committee shall be final.

#### 6.2 Guidelines for Admission on the Basis of Sports

The constituent Colleges shall follow the guidelines given below for admission on the basis of Sports in Undergraduate Programme. They will communicate as per the Proforma sent by the University the total number of seats under Sports Quota (Supernumerary) along with requirement of Position / Event / Weight Category in different Game/ Sport to the University. The College shall also notify the same on their College website. The applicant should go through the Bulletin of Information for UG courses and notifications issued from time to time on the Website of Colleges/University of Delhi.

The applicant can apply in a maximum of three Games/Sports.

The admission on the basis of sports will be based on:

- (a) Super Category: Direct admission without Sports Trial
- (b) Admission on the basis of Sports Trial.

The list of Game/Sport of the College is given in Annexure VI(B) and the list of Position/Event/Weight Category of Game/Sport of the College is given in Annexure VI(C) in University of Delhi Information Bulletin 2019-20.

# I. Super Category: Direct Admission without Sports Trial (Category A of the Criteria for Marking of Merit/Participation Sports Certificate)

Sportspersons who have represented India in the under-mentioned Competition(s), recognized and funded by the Ministry of Youth Affairs and Sports (MYAS) will be given Direct Admission without Sports Trial for the Game/Sport at Point no. II (B) where requirement for the Game/Sport has been given by the constituent Colleges.

- a. Olympic Games by the International Olympic Committee (IOC)
- b. World Championship / World Cup by International Sports Federations (ISF)
- c. Commonwealth Games by Commonwealth Games Federation (CGF)
- d. Asian Games by Olympic Council of Asia (OCA)
- e. Asian Championships by International Sports Federations (ISF)
- f. South Asian Games (SAG) by South Asia Olympic Council (SAOC)
- g. Paralympic Games by International Paralympic Committee (IPC)

# II. Admission on the basis of Sports Trial (Categories B, C and D of the Criteria for Marking of Merit/ Participation Sports Certificate)

#### A. Maximum 40 Marks for Merit/Participation Sports Certificate

- 1. Criteria for Marking of Merit/Participation Sports Certificate displays the Marks for different levels of Game/Sport Competitions.
- Sports Certificate of Invitational / Memorial / Open / Prize Money League / Ranking Competitions will not be considered.
- 3. Applicant is required to upload Self-Attested copies of three Merit/Participation Sports Certificate. However, only the Highest Merit/Participation Sports Certificate will be considered for Marking.
- Merit/Participation Sports Certificate of preceding three years will be considered from 01st May 2016 to 30th April 2019.
- 5. Level of competency of the applicant will be determined only for those who have achieved distinction during the preceding three years in the Game/Sport at Point no. II (B).
- The applicant must secure minimum 04 Marks in the Marking of the uploaded Highest Merit/Participation Sports Certificate to be eligible for Sports Trials.

### B. Maximum 60 Marks for Sports Trial

#### **Team Games**

Baseball (M), Basketball (M &W), Cricket (M &W), Football (M &W), Handball (M &W), Hockey (M&W), Kabaddi (M &W), Kho-Kho (M &W), Netball (W), Softball (W) and Volleyball (M &W)

Marking Criteria for Team Games - Total (60 Marks)

Fundamental Skills - (20 Marks) Performance in Trials- (40 Marks)

#### **Dual & Combat Sports**

Badminton (M &W), Boxing (M &W), Judo (M &W), Squash (M &W), Table Tennis (M &W), Taekwondo \* (M &W), Tennis (M &W) and Wrestling (M &W)

Marking Criteria for Dual and Combat Sports - Total (60 Marks)

Fundamental Skills - (10 Marks) Performance in Trials - (50 Marks)

\* Kyorugi

#### **Individual Sports**

Archery\*\* (M &W), Athletics (M &W), Chess (M &W), Diving (M &W), Gymnastics (M &W), Shooting\*\*\* (M &W), Swimming (M &W) and Weight-lifting (M &W)

Marking Criteria for Individual Sports - Total (60 Marks)

Performance in Trials - (60 Marks)

\*\* Compound & Recurve

\*\*\* 10 Metres, Air Pistol & 10 Metres, Air Rifle

- 1. The applicant shall be allowed to appear in the Sports Trial only in one Event/Position/Weight Category.
- 2. The applicant must secure minimum 30 Marks in the Sports Trial to be eligible for consideration in the Sports Merit List to be sent to the constituent Colleges.
- 3. The College identified for conducting Sports Trial should video-graph the Sports Trial and preserves the recordings. The Sports Trial for admission under Sports Quota for specific Game / Sport shall be conducted by the Sports Admission Committee of the University. The composition of the Committee shall be as follows:
- 1. Chairperson: Principal/Principal's Nominee
- 2. Convener: Physical Education Teacher, Department of Physical Education
- 3. Expert/s: To be nominated by the DUSC –Eminent person from the sports field from eminent institutions
- 4. DUSC Nominee
- 5. Vice Chancellor's Nominee (Observer)

Marking for Individual Sports, Dual & Combat Sports shall be done by One Expert and marking for Team Games shall be done separately by three Experts of the Sports Admission Committee of the University.

#### Note:

- 1. The allotment of course to the eligible applicant shall conform to University regulations and shall be the sole responsibility of the College.
- 2. An applicant name appearing in the Sports Merit List sent to the constituent Colleges does not guarantee admission in a College. The admission of the applicant is subject to the availability of seats in a course in the College.
- The allotment of the course may be finalized by the Sports Admission Committee of the College which shall include:
  - a. Chairperson: Principal/Principal's Nominee
  - b. Convener: Physical Education Teacher, Department of Physical Education
  - c. Member/s: Physical Education Teacher, Department of Physical Education
  - d. Nominee: One faculty member of the Staff Council
- 4. The Sports Admission Committee of the College shall:
  - a. Screen the application form uploaded by the applicant
  - b. Verify original Merit/Participation Sports Certificate of the applicant as per marks allotted by DUSC.
- 5. In Case of Tie: Applicants securing same marks in the same Game/ Sport and eligible for admission in the same course in the college may be resolved by the Sports Admission Committee of the College as follows:
  - (a) Applicant securing higher marks in Sports Trials will be placed/given higher preference.
  - (b) If the Tie still persists, all the applicants may be admitted.
- 6. The grievance related to allocation of marks for Merit/Participation Sports Certificate and Sports Trial shall be redressed by the UG Sports Grievance Committee. The Marks of the Sports Certificates shall be displayed on the dashboard of the applicant for three days to register grievances, if any. All grievances shall be resolved within three days by the UG Sports Admissions Committee.
- 7. The list of finally selected applicants containing marks of the Sports Certificates and Sports Trials along with course allotted shall be displayed on the College website for three days, to take cognizance of the grievances, if any. The Grievance Committee of the College must resolve all the grievances within next three working days before admitting the eligible applicants.
- 8. The College shall maintain a proper record of the applicants admitted on the basis of Sports.
- 9. The list (soft copy) of finally admitted applicant on the basis of Sports shall be sent to DUSC by the constituent Colleges within seven days of the last date of admission of the University of Delhi.
- 10. The applicant, as per their age must be eligible to participate in Inter-University Competitions for the next three years and should not be employed on Part-time / Full-time basis anywhere.
- 11. Any injury/ casualty caused to the applicant during Sports Trials shall be the sole responsibility of the applicant.
- 12. It is mandatory to submit an Undertaking on Non-Judicial Stamp Paper of Rs. 100/- by the applicant at the time of admission stating that he/she will play for the College and University during their Undergraduate course of study.

The list of Game/Sport of the College is given in Annexure VI(B) and the list of Position/Event/Weight Category of Game/Sport of the College is given in Annexure VI(C) in University of Delhi Information Bulletin 2019-20.

#### 7. Admission of Foreign Applicants

All foreign applicants including those who have completed their schooling from an Indian Board may be treated as Foreign Students for the purpose of their registration / admission in various Departments and Colleges of the University and they may be considered for admission under 5% quota prescribed for the foreign students. The foreign applicants seeking admission to Undergraduate course should apply online through the Foreign Students' Registry portal http://fsr.du.ac.in and can contact the Deputy Dean (Foreign Students' Registry), Conference Centre, University of Delhi-110007.

#### 8. Requirements for Admission

#### 8.1. Qualifying Examinations

Qualifying examinations for the purpose of admission to the first year of undergraduate programmes offered by the University of Delhi shall be Senior Secondary School Certificate Examination (Class XII) of the

Central Board of Secondary Education or an examination recognized as equivalent thereto.

The applicants seeking admission to the undergraduate programmes should have passed the qualifying examination obtaining minimum marks as specified for each of the programmes in subsequent sections.

# 8.2. Age Requirement

As per Ordinance-I of the University, there is no minimum age bar for admission to the under-graduate and postgraduate programmes in the University and its colleges except in the programmes where the respective regulatory bodies, such as Medical Council of India (MCI), All India Council of Technical Education (AICTE), Bar Council of India (BCI), National Council for Teacher Education (NCTE), Dental Council of India (DCI), etc. have prescribed the minimum age requirement in their regulations.

Gap year(s) will not be a bar for purposes of admission to the undergraduate programmes.

# 8.3. Equivalence Criteria

The applications for admission to the Undergraduate Programmes in the Colleges in respect of applicants belonging to the Examining bodies of Boards / Universities recognized / accredited by the Association of Indian University / University Grants Commission / Ministry of Human Resource Development shall be considered by the College/Department in terms of the following recommendations as mentioned in the University circular letter of 13 - 1 - 2005.

That various degrees from Universities recognized by the Association of Indian Universities / University Grants Commission / Ministry of Human Resource Development or by any bilateral agreement be considered as equivalent to corresponding degrees of the University of Delhi subject to the conditions that Programme duration is same as in the University of Delhi for purposes of determining eligibility for admission to various Programmes and further Departments / Colleges may be allowed to evolve procedure through their respective Admission Committees.

Senior School Certificate of various Boards recognized by Association of Indian Universities /Central Board of Secondary Education is considered as equivalent to the Senior School Certificate of Central Board for the purposes of eligibility to various Undergraduate Programmes.

Students who pass various Degree / School Examination of Foreign Universities / Boards as have already been approved by the Equivalence Committee, from time to time, be considered eligible as a matter of routine. The cases of only those applicants who do not fall in the list of Association of Indian Universities /University Grants Commission/ Ministry of Human Resource Development recognized accredited Boards/ Universities shall be referred to the University on the basis of individual merit.

Admission in any programme/course shall not be granted on the basis of projected scores issued by any Board / School.

# 8.4. Grade Conversion [As per AC Resolution No. 319, Dt. 22.3.1976]

Formula/equivalence of the grade point average awarded in Cambridge School Certificate/ Overseas /African G.C.E./Examination School Certificate Examination and / or 12th Grade Examination of American Embassy School, New Delhi with the percentage of marks as are awarded in the Higher Secondary Examination of the Central Board of Secondary Education, New Delhi, for the purpose of admission to different courses in the University of Delhi.

Grade	Min.% of Each Grade	Grade	Mean Resultant Percentage
1	90	A	90
2	75	В	75
3	66	С	60
4	61	D	40
5	57	E	30
6	51	F	Fail
7	47		
8	40		
9	Fail		

#### 8.4.1. Admission to IB Students (IB Grade to Marks Scheme)

Grade	Indian Equivalent Marks		
7	96-100	Midpoint 98	
6	83-95	Midpoint 89	
5	70-82	Midpoint 76	
4	56-69	Midpoint 62.5	
3	41-55	Midpoint 48	
2	21-40	Midpoint 30.5	
1	1-20	Midpoint 10.5	

#### 8.4.2. Admission for University of Cambridge (International Examinations) Students

Grade	Percentage Uniform Mark Range	Cambridge Grade As	Percentage Uniform Mark Range
*A	90-100(Midpoint95)	95	95
A	80-89(Midpoint85)	A	80-100(Midpoint 90)
В	70-79(Midpoint75)	В	70-79 (Midpoint 75)
С	60-69(Midpoint65)	С	60-69 (Midpoint 65)
D	50-59(Midpoint55)	D	50-59 (Midpoint55)
E	40-49 (Midpoint 45)	Е	40-49 (Midpoint 65)

Wherever G.C.E. Certificate indicates the grades; it will be treated at par with the grades of Indian School Certificate Examination for purposes of Admission requirements. (See Grade Conversion)

The Applicants seeking admission to an Honours Programme must have passed the subject at Advanced level. For Geology and Anthropology Honours Programmes, the applicant must have passed one Science subject at Advanced level out of Physics/Chemistry/ Mathematics/ Biology.

The Applicant seeking admission to Honours Programme in Physics / Chemistry must have passed: Mathematics and Additional Mathematics at Ordinary level and at least one subject at Advanced Level out of (1) Pure Mathematics (2) Applied Mathematics (3) Mathematics (Pure and Applied) and (4) further, Mathematics or Additional Mathematics at Ordinary Level and one subject at advanced level.

The nomenclature of Cambridge Assessment International Education has been changed to w.e.f. 2017. Further the University shall also treat the candidates passing the 10+2 exam from this board at par with the candidates passing 10+2 from other recognized boards and eligible for admission to UG courses of the University.

Further, the percentage uniform mark will be used by the University for admission purposes. Grades will not be converted to marks where percentage uniform marks are available.

In case any board declares the percentage marks of individual subjects along with the grades, then marks shall be taken into consideration.

#### 8.5. Rechecking/Revaluation

The colleges shall consider admission of the applicants whose marks get increased in the process of rechecking/ revaluation by their respective boards within the prescribed period of admission provided that such applicant fulfills the other eligibility conditions laid down for admission and seats are available in course/ college. The college will update all the information on University Admission portal as per the University rules.

#### 9. List of Documents required at the time of Admission

The applicants shall be required to produce the following documents in original with two sets of self-attested photocopies at the time of admission:

- 1. Class X Certificate (Mark-sheet or certificate) indicating date of birth and Parents' names.
- 2. Class XII Mark-Sheet.
- 3. The students taking admission under Sikh minority reservation shall produce the Sikh Minority certificate issued by Delhi Sikh Gurudwara Management Committee, Gurudwara Rakab Ganj Sahib, New Delhi.

#### 10. **Admission Grievance Committees**

There will be a Central Admission Grievance Committee, located in the Dean Students' Welfare Office. College shall have its own Grievance Committee. The student can send an email by using the link provided on the University Undergraduate Portal under "Grievance" tab. The details of Grievance Committees of various colleges are provided in Annexure VII. The names of Grievance Committee Members at the College shall also be displayed on the College Notice Board of the respective college. Applicants having grievances about admission should first approach the Grievance Committee of the College. If the grievance is not resolved within a reasonable time, the applicant may approach the Central Admission Grievance Committee.

There will be Grievance Sub-Committee to look into grievances of PwD applicants. The committee has three members with liaison officer as its convener. The contact number and email address of the members of the grievance committee members can be found on the college website and notice board to facilitate and address the needs/queries.

# WITHDRAWAL FROM COLLEGE

A student wishing to withdraw his/her name from the College, must do so formally in writing. He/she is liable to pay all fee and other College dues until his/her name has been formally withdrawn. Deductions will be done as per University norms. Identity card must be surrendered at the time of withdrawal, failing which a penalty of Rs. 500/- will be charged for the loss of identity card.

In case student drops out without such formal withdrawal, his/her security deposit will be forfeited and adjusted towards the dues. No claim or refund of security deposit in such cases will be entertained later.

# **GUARDIANSHIP:**

Students hailing from outside Delhi; Parents of students from outside Delhi (including foreign students) should inform the College in writing the name of the local guardian and submit his/her photograph at the time of admission. In case of a change in the guardian, parents are advised to inform the College immediately.

# POSTGRADUATE COURSES

Postgraduate admissions are processed on the basis of admission slips issued by the Department of the relevant subject in the University of Delhi. College gives preference to those students who have completed graduation from the college.

The schedule for under graduate merit based courses and post graduate courses is available on University of Delhi website, www.du.ac.in.

The schedule for sports trials are available on University of Delhi website. www.du.ac.in.

Three seats for teaching and non-teaching staff of the other colleges and departments of University of Delhi will be allocated depending upon the availability of seats and merit of students. Normally admission will not be given to a ward of staff of other college if that subject is taught in his/her own college.

# ACADEMIC RULES & RELATED INFORMATION

# ATTENDANCE

In order to be eligible to appear at a University Examination, every student has to attend a minimum number of two-thirds of the total number of lectures delivered at the College in all subjects as also in tutorials/preceptorials/practicals, as the case may be, taken separately in each semester. Attendance for tutorials, preceptorials will be given only when a student submits written assignments.

Monthly attendance of the students is put up on the website of the college. Parents are advised to visit the college website regularly. Parents/Guardians of the students who are falling short of required attendance are advised to contact the concerned subject teachers while the students should attend the classes regularly.

The University Ordinance VII, Clause 2-A Part (ii) states that the Principal of a College shall have power to strike off the name of a student who is irregular in attendance, inspite of warning or when the absence of the student is for such a long period that he/she cannot put in the requisite percentage of attendance. This rule is strictly followed.

When a student is required to represent the College in competitive games, athletics, cultural activities, debates, NCC/NSS etc., he/she must apply for permission to the Principal in writing in advance through the convenor / Sports teachers of the respective activity.

Henceforth Provisional Certificates and Bonafide Student Certificate issued by the college will reflect the students attendance.

# LEAVE ON MEDICAL GROUNDS

Application for leave of absence due to sickness/hospitalization must be supported by Medical and Fitness Certificates. These should reach the Principal within a week of the student rejoining the College on the expiry of the leave, on a prescribed application form. Medical and Fitness Certificates if not submitted in time, shall not be entertained. Students must apply for leave in writing.

Applications must be submitted in the College office within 7 days of joining the College on the advice of the doctor.

The Principal may consider, on the basis of the Medical Certificates produced, exceptional cases of students who had fallen seriously ill or met with an accident during the year disabling them from attending classes for a certain period, with a view to determining whether the lectures etc. delivered during the said period, or a part thereof, could be excluded for purposes of calculation of attendance of the year and decide each case on its own merits. The benefit of exclusion shall in no case exceed 1/3 of the total number of lectures delivered.

# UNIVERSITY GUIDELINES FOR ATTENDANCE

# ORDINANCE - VII 2

(a) A candidate for the Semester I/III/V Examination shall not be deemed to have satisfied the required conditions of attendance unless she/he has attended, in all the subjects taken together, not less than two thirds of the lectures/practical/presentations/tutorials required to be attended. Provided that a student of the Semester I/llI/V who does not full the required conditions of attendance, as above, but has attended, in all the subjects taken together, not less than 40 per cent of lectures/practical/presentations during the respective semester, may at the discretion of the Principal of the College concerned, appear for the ensuing semester examination; but such a candidate shall be required to make up the deficiency at lectures and practicals, in the next semester of the same academic year.

Provided that a student of the lI/IV/VI semester who does not full the required conditions of attendance as above, but has attended in all the subjects taken together, not less than 40 per cent of the lectures/practical/ presentation/tutorials, held during the respective semester, may at the discretion of the Principal of the College concerned, be allowed to appear at the ensuing examination provided that she/he makes up the deficiency of the said attendance by combining the attendance of the previous semester in the ensuing semester.

Provided further that the Principal of the College concerned may permit a student to appear in an examination not withstanding that the student has not fulfilled the attendance requirement, if in the opinion of the Principal, such student shall make up the deficiency in the succeeding academic year.

Provided further that a student of the VI semester shall be allowed to appear at the VI Semester Examination, if by combining the attendance of the three academic years, the candidate has put in two-thirds of attendance, in all the subjects taken together, held during the respective years.

- (b) In the case of a student who:
- I. is selected as a member of the N.C.C. to participate in the annual N.C.C. Camps or is deputed to undertake Civil Defense work and allied duties; or
- 2. is enrolled in the National Service Scheme and is deputed to various public assignments by or with the approval of the Principal/Head of the institution concerned; or
- 3. is selected to participate in sports or other curricular activities; or
- 4. represents the college in inter-college tournaments organized by the Delhi University Sports Council (DUSC); or a student who represents Delhi State in National Tournaments organized by Nation Sports Federation; or a student who represent the University in Tournaments organized by Association of Indian Universities; or a student who represents India in International Tournaments organized by

International Federation/Associations and FISU, (selection through AIU); or a student who represents India in Olympics/Common Wealth Games/Youth Games/World Championship organized by International Olympic Committee; or in national or international fixtures in games and sports approved by the CompetentAuthority; or

- 5. is required to represent the University at the Inter-University Youth Festival; or
- 6. is required to participate in periodical training in the Territorial Army or a student who is deputed by the College to take part in Inter-College sports or fixtures, debates, seminars, symposia or social work projects or a student who is required curricular activities held in other Universities or such other activities approved by the Vice-Chancellor for this purpose.

In calculating the total number of lectures etc. delivered in the College, or in the University, as the case may be, for his/her course of study in each academic year, the number of lectures etc., in each subject delivered, during the period of absence, and as recommended/forwarded by the concerned teacher/DPE and approved by the Principal/Head for the above purposes shall deemed to have been attended by the student.

- (c) The Principal of a College may consider, on the basis of the Medical Certificates produced, exceptionally hard cases of students who had fallen seriously ill or had met with an accident during the year disabling them from attending classes for a certain period, with a view to determining Whether the lectures etc. delivered during the said period, or a part thereof, could be excluded for purposes of calculation of attendance of the year and decide each case on its own merits.
- (d) Colleges shall be required to notify the attendance position of each of its students for each month on the notice board of the College, and clearly indicate the lectures/practical held subject wise and the numbers attended by each student.
- (e) A College shall notify on the notice board the final attendance position of each of its students within five days of the dispersal of the classes in the last session of the academic year. Not later than five days, thereafter, a student may, by an application to the Principal of the college, claim benefit of exclusion of lectures under sub-clause (a) above on grounds to be specified and accompanied by the relevant documents. All such applications submitted within time shall be considered and disposed of by the Principal of the College at least 3 days prior to the commencement of the examination, in which the student is intending to appear.

- (f) The benefit of exclusion of lectures contemplated in category (c) above, shall in no case exceed 1/3 of the total number of lectures/practicals/presentations/tutorials.
- (g) In the case of a married woman student who is granted maternity leave, in calculating the total number of lectures delivered in the College or in the University, as the case may be, for her course of study in each semester, the number of lectures in each subject delivered during the period of her maternity leave shall not be taken into account.
- (h) No person shall be deemed to have satisfied the required conditions in respect of his instructions, unless in addition to the requirements regarding attendance and other conditions, he has appeared and satisfied by his performance the Principal of his college in such tests, written and/or oral, as may be held by him in his discretion. The Principal of the College shall have, and shall be deemed always to have had, the power to detain a student in the same class in which he has been studying, or not to send him up for the University Examination, in case he did not appear at the tests aforesaid or his performance was not satisfactory. The Principal of a College/Head of the Institution shall have power to strike off the name of a student who is grossly irregular in attendance inspite of warning, or when the absence of the student is for such a long period that he cannot put in requisite percentage of attendance.

#### MAINTENANCE OF DISCIPLINE

The College maintains a strict discipline through its Proctorial Board consisting of senior faculty members and the Administrative staff. According to the Ordinance XV-B of Delhi University, the following shall amount to acts of gross indiscipline:

- (a) Physical assault, or threat to use physical force, against any member of the teaching and non-teaching staff and against any student within the University of Delhi.
- (b) Carrying of, use of, or threat of use of any weapons.
- (c) Any violation of the status, dignity and honour of students belonging to the scheduled classes and tribes.
- (d) Any practice whether verbal or otherwise derogatory to women.
- (e) Any attempt of bribing or corruption in any matter.
- (f) Willful destruction of institutional property.
- (g) Creating ill-will or intolerance on religious or communal grounds.
- (h) Causing disruption in any manner of the academic functioning of the University system.
- (i) Ragging & Sexual Harassment. As per Ordinance XV-C & XV-D respectively
- (j) Non-payment of legitimate dues or disorderly conduct in the Canteen would invite disciplinary action.

Any student found guilty of breach of discipline on this count will be subject to disciplinary actions as per ordinance XV-C and other guidelines issued by Honorable Supreme Court, UGC and the University of Delhi. Details of these ordinances can be seen at www.du.ac.in

# IDENTITY CUM LIBRARY CARD

Every student of the College is issued an Identity cum Library Card, which he/she is expected to carry with him/her at all times, and is essential for the issue and return of books from the College Library. He/she has to produce the same whenever required to do so. It is an important document and the duplicate will be issued only under special circumstances.

# REMOVAL

The Principal has the authority to strike off the name of any student who is irregular in attendance or is not amenable to College discipline or is guilty of negligence in studies or is unfit for the course chosen by him/her or is in default of payment of fee/fine.

All the students are expected to come to the classes in neat formal dress. Male Sikh students shall wear turban in the college.

# **GRIEVANCES REDRESSAL MECHANISM**

# GRIEVANCE REDRESSAL COMMITTEE

Grievance Redressal Cell functions round-the-year and students can address their grievances in writing to the Cell. College ensures quick and prompt action to resolve any such matters pertaining to students, to their satisfaction.

Staff Council of the College constitutes a Proctorial Committee for the year. This Committee is responsible for maintenance of discipline in and around the College throughout the year. The same Committee works as anti-ragging committee with extension by inclusion of several non-teaching staff members especially at the start of the session.

There have been no complaints pertaining to ragging in the last four years. In fact, there has been no such complaint in last 10 years.

Dr. Pyar Singh Jassal

Dr. Jasbir Singh Arora

Dr. Nachiketa Singh

Mrs. Poonam Bedi

# ADMISSION GRIEVANCES REDRESSAL COMMITTEE

During admission process, another special Admissions Grievance Cell is appointed as per University's directions.

Dr. Pyar Singh Jassal

Dr. Jasbir Singh Arora

Dr. Nachiketa Singh

Mrs. Poonam Bedi

# PROHIBITION AND PUNISHMENT FOR RAGGING

The Proctorial Committee plays a proactive role in preventing ragging by educating, surveillance, notices and cultivating a healthy disciplined environment in the College.

Ragging in any form is strictly prohibited, within the premises of College / Department or Institution and any part of Delhi University system as well as on public transport. Any individual or collective act or practice of ragging constitutes gross indiscipline and shall be dealt according to Ordinance XV-C of University of Delhi.

# POLICY AGAINST SEXUAL HARASSMENT

For any complaints of sexual harassment, the Principal may be approached and the action shall be initiated under the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013.

The College guarantees the Right to information as provided in the Constitution of India.

Application can be made to the Public Information Officer on a plain paper with fee of Rs. 10/-.

Students admitted in the College will have to file an affidavit indicating that they will not be indulging in ragging activity.

# INTERNAL ASSESSMENT AND EXAMINATION

# INTERNAL ASSESSMENT

Internal assessment shall carry 25% weightage and end semester examination shall carry 75% weightage.

The distribution of internal assessment marks shall be as follows

Attendance (Lectures including interactive periods and tutorials)
 Written assignments/Tutorials/Project Reports/Seminars
 Class test/Quiz(s)
 10%

The college follows University's guidelines and regulations for internal assessment.

Each paper carries a few assignments that are graded for specified marks, class tests that are again graded for specified marks and award for attendance as per University rules (66.66% to <70%, 70% to < 75%, 75% to < 80%, 80% to < 85%, 85% and above gets 1,2,3,4 and 5 marks respectively.

Zero marks are given for attendance less than 66.66%.

# PRACTICAL EXAMINATION

Whereever there is practical component in a paper there may be a practical examination of specified duration and weightage. The internal evaluation in the practical is through CCE and each lab session may be evaluated in the calculation of final score.

# PASS PERCENTAGE AND PROMOTION RULES

The following provisions shall be applicable to students admitted to the Three Year Under-Graduate Programme under Choice Based Credit System (CBCS):

- (a) A student who appears in an odd semester examinations or who was eligible to appear in the odd semester examinations but remains absent in any or all the papers of the said semester, shall move on to the next even semester irrespective of his/her result in the said examinations.
- (b) A student who has obtained 40% on the aggregate taking together all the papers in theory examination (including internal assessment/ project work) and practical examination separately conducted in Ist and IInd semester shall be promoted to the second academic year IIIrd semester.
- (c) A student who has obtained 40% on the aggregate taking together all the papers in theory examination (internal assessment / project work) and practical examinations separately, conducted in IIIrd and IVth semester shall be promoted to the third academic year/ Vth semester.
- (d) Students who do not fulfill the promotion criteria mentioned above shall be declared fail in the promotion examination of the academic year concerned. However, they shall have the option to retain the marks in the papers in which they want to retain.
- (e) If a student has secured an aggregate of minimum 40% marks taking together all the papers in theory examination (including internal assessment/ project, wherever applicable) and practical exam separately till the end of the third year, i.e., till the end of the VIth semester, then she/he shall be awarded the degree in which the student has been admitted.
- (t) A student who wants to re-appear for improvement in marks in a paper prescribed for semester l/III/V may do so only in the semester examinations to be held in November-December. A student who wants to re-appear for improvement in a paper prescribed in semester II/IV/VI may do so only in the examinations to be held in May/June.

# SPAN PERIOD

The span period to complete the course shall be 6 years from the year of admission in the I<sup>st</sup> semester.

# **RE-APPEARANCE FOR IMPROVEMENT**

- (a) A student may re-appear in any theory paper prescribed for a semester, on foregoing in writing her/his previous performance in the paper/s concerned. This can be done in the immediate subsequent semester examination only (for example, a student re-appearing in paper prescribed for semester I examination may do so along with subsequent semester IIIrd examination and not along with papers for semester Vth).
- (b) A candidate who has cleared examinations of third academic year (Vth and VIth semesters) may reappear in any paper of V or VI) semester only once, at the immediate subsequent examinations on foregoing in writing her/his previous performance in the papers concerned, within the prescribed span period.

(Note: The candidate of this category will not be allowed to join any post-graduate courses)

- (c) In the case of re-appearance in paper, the result will be prepared on the basis of candidate's current performance in the examinations.
- (d) Re-appearance in practical/internal assessment shall not be allowed.
- (e) There shall be no supplementary examinations.

# LETTER GRADES AND GRADE POINTS

(a) A student who becomes eligible for the degree as per Ordinance IX, 12(1). Such a student shall be categorized on the basis of the combined result of semester I to semester VI examinations under CBCS on a 10 point grading system with the following Letter Grades as given below:

Letter	Grade Point
O (Outstanding)	10
A+(Excellent)	09
A (Very Good)	08
B+(Good)	07
B (Above Average)	06
C (Average)	05
P (Pass)	04
F (Fail)	00
Ab (Absent)	00

# ISSUE OF TRANSCRIPTS

Based on the grades earned, a Grade Certificate shall be issued to all the registered students by the University after every semester and a consolidated transcript indicating the performance in all semesters. The Grade Certificate will display the course details (code, title of the paper, number of credits, grade secured) along with SGPA of each semester and CGPA earned based on overall six semesters.

- (b) A student obtaining Grade F shall be considered failed and will be required to re-appear in the examinations.
- (c) For non-credit courses, 'satisfactory' or 'unsatisfactory' shall be indicated instead of the Letter Grade and this will not be counted for the computation of SGPA/CGPA.

# CO-CURRICULAR & EXTRA-CURRICULAR AVENUES

# NATIONAL CADET CORPS

The NCC wing of S.G.T.B. KHALSA College is attached to the 5 DELHI BATTALION NCC of the army's infantry wing. The cadets have attended a number of camps such as Prime Minister's Rally, Combine Annual Training Camp (CATC) and Army Attachment Camp. Our NCC cadets have become the role model for other students by participating in social activities like health check-up camp, blood donation camp. tree plantation camp and other NSS activities. Every year we send quite a good number of our cadets to various countries such as United Kingdom, Russia, Singapore, Thailand and China. Many of our cadets join the Indian armed forces after clearing the S.S.B. recruitment process. *Fateh* 2019 – *NCC Fest* held on 11th February. This year, NCC girls' wing was successfully constituted and alloted by IDGBN, Delhi Girls Battalion. The Unit celebrated Independence Day and a whole week of Swachchta Abhiyaan. Surgical Strike Day was celebrated on 29 Sep., 2018.



The NSS unit of college actively conducts different events. Special enrollment drive was conducted in the month of July. Swachchta Rally was organised on 10th October where in volunteers this undertook extensive cleaning of college campus. NSS contingent participated in the activities organised on Surgical Strike Day on 29 September at DU Conference Centre. NSS volunteers participated and helped in organising the "Born to Run" event held on 18 January, 2019. Blood donation camp was organised during the college festival Lashkara 2019.







# **COLLEGE SOCIETIES**

With a view to developing qualities of initiative, organization, public speaking, leadership, and imbibing a strong sense of self esteem and purpose among students, the College provides ample opportunities for extra-curricular activities. A large number of societies besides the Students' Union, exist in the College. Students are advised to associate themselves with the Society of their choice.

- · Aakriti-The Zoology Society
- Aavriti- The Electronics Society
- Acrostics- The Poetry Society
- Anhad-The Divinity Society
- Ankur- The Drama Society
- Catenation-The Chemistry Society
- COMSOC-The Commerce Society
- Confero-The MUN Society
- DADS- The Debates and Discussion Society
- Dastaan-The History Society
- Eco-Tryst-The Economics Society
- ELS-The English Literary Society
- Etram- The Western Dance Society
- Folk Dance Societies
- Nav Pallav- Hindi Sahitya Sabha

- Pinhole-The photography society
- · Polis-The Political Science Society
- Floridus-The Botanical Society
- Punjabi Sahitya Sabha
- Raah-The Business Economics Society
- Revel-The BA Program Society
- Strokes-The Fine Arts Society
- SWARANG-The Music Society
- Sparks- The Physics Society
- · Wronskian-The Mathematics Society
- Zenith- The Choreography Team

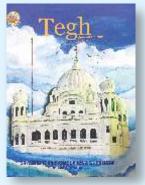
# **ANHAD-DIVINITY SOCIETY**

Divinity Society organizes functions and seminars on life and works of Sikh Gurus and comparative religious studies. Besides celebrating Gurupurabs and the Founder's Day, Shabad Kirtan Competitions are also organised by the society. The activities are aimed at inculcating ethical and spiritual values among students and give them a feeling of universal brotherhood.



# **COLLEGE MAGAZINE**

College magazine, '**Tegh'**, publishes articles by the students and staff and reviews educational, cultural, and social, and sports activities of the College. Each of the three sections viz. English, Hindi, and Punjabi of the Magazine is edited by a student editor under the supervision of teachers.



Other than the "Tegh", the various departments of the College also publish their own magazines covering and emphasising events of the respective departments.

# AWARDS AND SCHOLARSHIPS

The college awards scholarships to the deserving and needful students. The funding of these scholarships are from contributions made by the governing body, existing and former faculty members and college alumini. College encourages outstanding students by giving awards and scholarships twice in a year. Special functions are organized by Students' Welfare Committee and at the Annual Prize Distribution Function Committee. The Students Welfare Committee of the college aims at providing financial assistance and improving the academic standards of the needy and deserving students by promoting the meritorious amongst them. Every year nearly 200 students are selected for Merit Cum Means and Means based scholarships. The Special Awards and Scholarships are distributed by the College at another function celebrated as College Annual Day every year.

In the year 2014-15, College has instituted about seventy awards and scholarships for excellence in academics, sports and extra-curricular activities through the benevolence of the civil society of the college. This year 72 college toppers in various streams were awarded Academics prize and 4 Special Prizes were given to Divinity Students. Special Awards were distributed to Sports students on Sports Prize distribution Function. Besides theses 264 students in extra-curricular activities were also awarded on a special function.



# AWARDS FOR SPORTS

- 1. **Dr Ratan Singh Anand Memorial Award** for best Cricketer 10,000/-
- 2. G.L.Sikka Memorial Award for best student in sports and academics 10,000/-
- 3. S.Jaswant Singh Nanda Memorial Award for Outstanding Player In Handball 5000/-
- 4. S.Jaswant Singh Nanda Memorial Award for Outstanding Player In Volley Ball 5000/-
- 6. Sdn. Praveen Kaur Sahni Memorial Award for Best Sportswoman 5,000/-
- 7. **Sdn. Praveen Kaur Sahni Memorial Award** for Outstanding Player In Basketball 5,000/-
- 8. S. Pargat Singh Memorial Award for Outstanding Tennis Player 5,000/-
- 9. S. Pargat Singh Memorial Award for Outstanding Batminton Player 5,000/-
- 10. **S. Abnash Singh Nijjor Memorial Award** for Best Hockey Player 3,500/-
- 11. Lala Amarnath Memorial Award for Best Cricketer 3.000/-

# **AWARDS FOR KIRTAN**

- 1. S. Tarlochan Singh Sarna Memorial Award for Excellence in Kirtan Recitation 11000/-
- 2. S. Rattan Singh Anand Memorial Award for Excellence in Kirtan Recitation 10000/-
- 3. Jathedar Jatinder Singh Sandhu Memorial Awards (2) for Best Deserving Gursikh Student 5000/- each

# AWARDS FOR NCC/NSS

- 1. Sh. Lachhman Das Mehta Memorial Award for Best Activist in NSS 5000/-
- 2. Deokinandan Lal Das Memorial Award: for Best Activist in NSS Award 5000/-
- 3. Mr. Amarnath Sehgal Memorial Award for excellence in NCC 5000/-

# AWARDS & SCHOLARSHIPS FOR ACADEMICS

- Sdn. Parkash Kaur Sahni Memorial Award for University Topper 42,000/-
- Gagandeep Singh Anand Memorial Awardfor-University Topper 21,000/-
- S. Hazara Singh Memorial Award for College Topper 20,000/-
- Sdn. Jaswant Kaur Memorial Award for College Topper 20,000/-
- 5. **Sultan Chand Memorial Scholarship** for College Topper B.Com (H) 15,000/-
- 6. **S. Surinder Singh Nijjar Memorial Awards** (3) for Topper in Chemistry 15,000/-
- 7. **Sdn. Kaushalya Kaur Memorial Scholarship** for College Topper 7,000/-
- Dr. Jasjeet Kaur Memorial Scholarship for College Topper 15,000/-
- 9. **Dr. Satinder Kaur Memorial Award** for College Topper Zoology (H) 14,000/-
- 10. **S. Gurdial Singh Virdi Memorial Scholarship** for All Rounder of College 11,000/-
- 11. **Prof. Joginder Singh Memorial Scholarship in Punjabi** 11,000/-
- 12. S.Tarlochan Singh Sarna Memorial Award for College Topper 11,000/-
- 13. **Principal G.S. Randhawa Memorial Scholarship** for College Topper 11,000/-
- 14. **G.L Sikka Memorial Award** for College Topper 11,000/-
- 15. **S.S. Gulshan Memorial Award** for College Topper 11,000/-
- 16. Mata Raj Kaur Jolly Memorial Scholarship for College Topper 10,000/-
- 17. **Prof. Maheep Singh Memorial Award** for College Topper 10,000/-
- 18. **S. Gian Singh Memorial Scholarship** for College Topper 10,000/-
- S. Rattan Singh Gill Memorial Scholarship for College Topper 10000/-
- 20. **S. Jaspal Singh Memorial Award** for College Topper 10000/-
- 21. **Jathedar Jatinder Singh Sandhu Memorial Scholarship** for College Topper 10,000/-
- 22. **Smt. Saraswati Singh Memorial Scholarship** for College Topper 7500/-
- 23. **Sdn. Agya Kaur Memorial Scholarship** for College Topper 7,000

- 24. **S. Pritam Singh Narang Memorial Scholarship** for College Topper 7,000/-
- 25. **Sultan Chand Memorial Scholarship** for College Topper M.Com (Prev.) 7000/-
- S. Tara Singh Jassal Memorial Scholarship for College Topper 7000/-
- 27. **Dr. Satinder Kaur Memorial Award** for All-rounder (Girl) in Zoology 7000/-
- 28. **Dr. Satinder Kaur Memorial Award** for All-rounder (Boy) in Zoology 7000/-
- 29. **Jaswant Sroop Memorial Scholarship** for Punjabi College Topper 6000/-
- 30. **Sdn. Kauran Roop Rai Memorial Scholarship** for Best Female Student In Physics 6000/-
- 31. **Sdn. Kauran Roop Rai Memorial Scholarship** for College Topper English 6000/-
- Dr. Satinder Kaur Memorial Award for Topper in Biochemistry in B.Sc (H) Zoology 6000/-
- 33. **S. Gurdial Singh Virdi Memorial Award** for College The College 5000/-
- 34. **Mata Raj Kaur Jolly Memorial Scholarship** for College Topper 5000/-
- 35. **S. Sant Singh and Sdn. Basant Kaur Memorial Scholarship** for College Topper 5000/-
- 36. Mr. Manikaran Singh Sidhu Memorial Scholarship for Commerce College Topper 5000/-
- 37. **Smt. Krishna Vanti Jhamb Memorial Scholarship** for College Topper 5000/-
- 38. **S. Rajinder Singh Sachdev Memorial Scholarship** for College Topper 5000/-
- 39. **S. Hardayal Singh Memorial Scholarship** for Student of B.Com (Hons.) 5000/-
- 40. **S. Sital Kaur Virdi Memorial Scholarship** for College Topper 5000/-
- 41. **S. Gurbaksh Singh Bhasin Memorial Scholarship** for College Topper 5000/-
- 42. **S. Mohinder Singh Memorial Scholarship** for College Topper 5000/-
- 43. **Sdn. Rajdulari Memorial Scholarship** for College Topper 5000/-
- 44. **Sdn. Balbir Kaur Jassal Memorial Scholarship** for College Topper 5000/-
- 45. **Sh. Gian Chand Jhamb Memorial Scholarship** for College Topper 5000/-
- 46. **Sh. Lachhman Das Mehta Memorial Award** for All Rounder in Hindi Dept. 5000/-

# **ACHIEVEMENTS 2018-19**

# ACADEMIC RESULTS (2018-19)

Through the passing year our academic results have been outstanding. The examination results have been overwhelming.

S. No.	Class	Total Students	Students Scoring >7.9 CGPA (=75%)	Students Scoring >6.4 CGPA (=60%) lst Division	Students Scoring >5.3 CGPA (=50%) Ilnd Division
1	Ist Year	965	108 (11.1%)	577 (59.7%)	281 (29.1%)
2	IInd Year	1009	161(15.9%)	585 (57.9%)	263 (26%)
3	IIIrd Year	1076	162 (15%)	582 (54%)	332 (30.8%)

S. No.	Name of Student	Subject	Position
1	Manpreet Kaur	BA (H) Punjabi	University Topper
2	Simran Kaur	B.Sc (H) Zoology	University Topper
3	Simran Kaur	M.A. Punjabi	University Topper

# **SPORTS ACHIEVEMENTS**

In the academic year, College participated in 11 inter-college competitions: Athletics, Badminton (M), Basketball (M), Ball Badminton, Baseball, Cross-country, Handball (M), Hockey, Softball, Volleyball, Cricket.

The College won Athletic Inter College Meet and won 11 gold, 4 silver & 4 Bronze Medals.

The College became champion in the Inter college cross country in the University.

The College won the Inter College Volleyball, Handball, Ball Badminton & Badminton Championships.

The College stood Second in the Inter College Hockey Championship and third in Baseball Championship. The College won 8th Padam Shree Shyamlal Tournament organised by Shyamlal College.

The College Cricket team won RDIA League tournament this year.

The College Soft Ball team stood 3rd in Delhi Olympic association games 2018.

The college Gatka team participated in TEGH Sikh Martial Art Academy and won 2 Gold, 4 Silver & 3 Bronze Medal in Delhi State Level.

The Gatka team also won 4 Silver and 4 Bronze Medals in the Delhi Sikh Games organised by Jap Jaap Sewa Trust in Thyag Raj Stadium. The Gatka team also secured 1st position in the Inter College team demo competition at SGGS College of Commerce.

# **ACADEMIC PROGRESS OF STUDENTS**

Listed below are some of the Graduate Students of SGTB Khalsa College who got enrolled at various prestigious institutes of Higher Education all around the world in various courses.

# 1. Nancy Gahlot, B.A (H) Economics

Course: M.Sc, Finance and Economics

Institution: London School of Economics and Political Science, London, UK

# 2. Disha Anand, B.Sc. (H) Zoology

*Course:* M.Sc, Developmental Biology *Institution:* University of Paris, France.

# 3. Pranay Goyal, B.A(H) Business Economics

Course: Masters in Management

Institution: London School of Economics and Political Science, London, UK

## 4. Anuj Aggarwal, B.A(H) Business Economics

Course: Masters in Management

Institution: Lee Kong Chiang School of Business Singapore Management University, Singapore

# 5. Raghav Gupta, B.A (H) Business Economics

Course: Post Graduate Program in Management

Institution: IIM, Ahmedabad, India.

# 6. Kamaldeep Kaur, B.Com (Prog)

*Course:* MBA-PGD program *Institution:* IIM, Calcutta, India.

# 7. Astha Maheshwari, B.A(H) Business Economics

Course: Post Graduate Diploma in Rural Management

Institution: Indian Institute of Rural Management, Anand, Gujarat, India

#### 8. Prashant Kumar, B.Sc. (H) Chemistry

Course: M.Sc

Institution: IIT, Guwahati, India

# 9. Akash Seth & Rupal Baliyan, B.Sc. (H) Chemistry

Course: M.Sc

Institution: IIT, Bombay, India

# 10. Dhruv Sharma B.Sc. (H) Chemistry

Course: M.Sc

*Institution:* IIT, Kanpur, India

# 11. Ayush Srivastava, Zoology (H)

Course: PhD in Neuro Development

*Institution:* Ecole Normale Superieure, Paris, France.

# 12. Hardeep Kaur, Zoology (H).

Course: Ph.D, Landscape ecology

Institution: University of Szeged, Hungary.

# 13. Sadhika Sehgal, Zoology (H).

70th Anniversary Scholar, 2019.

British Council of India.

#### 14. Himani Sachdev, B.com (H) 3rd year - got scholarship to pursue higher studies in Australia.

15. Mr. Lakshay Jain, Economics (H) 3rd year - got scholarship to pursue higher studies in Australia.

# **ORIENTATION**

Orientation program for all the new entrants will be held on **20th July 2019**, **at 10:30 AM**. All first year students admitted to the college are invited to attend along with their parents.

# **CONTACT INFORMATION**

Principal : Dr. Jaswinder Singh Convener, Admission Committee : Dr. V.K. Mehra

Admission Assistant : Amarjeet Singh Chahal

College Ph. : 27667469 Fax : 27666220

E-mail ID : sgtbkc.du@gmail.com

Website : http://www.sgtbkhalsadu.ac.in

# **ACADEMIC CALENDER**

1. There shall be at least 180 teaching days in an academic year.

2. The University follows a six day teaching schedule per week.

SEMESTER SCHEME 2017-18	I/III/V/VII
Classes Begin	20th July, 2019
Mid-Semester-Break	7th October, 2019 to 13th October, 2019
Classes Begin After / Mid-Semester-Break	14th October, 2019
Dispersal of Classes, Preparation Leave and Practical Examination	16th November, 2019
Theory Examinations Begin	30th November, 2019
Winter Vacations	17th December, 2019 to 31st December, 2019

SEMESTER SCHEME 2017-18	II/IV/VI/VIII
Classes Begin	1st January, 2020
Mid-Semester-Break	9th March , 2020 to 15th March, 2020
Classes Begin After / Mid-Semester-Break	16th March, 2020
Dispersal of Classes, Preparation Leave and Practical Examination	28th April, 2020
Theory Examinations Begin	11th May, 2020
Summer Vacations	26th May, 2020 to 19th July, 2020

























Colourbar Communications - 9811218951