Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

New Arts, Commerce and Science College, Ahmednagar - 414 001
(Autonomous)
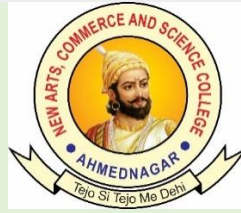
Affiliated to Savitribai Phule Pune University, Pune

College Website: https://newartscollege.ac.in

Email: nacasca@rediffmail.com

Phone Number: 0241-2324024

Prospectus (UG): 2022-23

Dr. B. H. Zaware
Principal

NAAC A++ Grade | DBT-STAR Scheme | DST-FIST Scheme | UGC - CPE Scheme | SPPU - Best College Award | Purushotam Karandak
Indira Gandhi NSS Award | UGC - Paramarsha Scheme | MoE - Innovation Cell | Unnat Bharat Abhiyan
Rangavaikhari Karandak | National Awards for Short Films

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College Development Committee (CDC)

Sr. NO.	Name	Designation
1.	**Hon. Shri Nandkumar Bhausaheb Zaware Patil** President, AJMVPS, Ahmednagar	Chairperson
2.	**Hon. Shri. Genuji Dagaduji Khandeshe** Secretary, AJMVPS, Ahmednagar	Member
3.	**Hon. Shri Ramchandra Haribhau Dare** Vice-President, AJMVPS, Ahmednagar	Member
4.	**Hon. Adv. Shri Vishwasrao Dattatray Athare** Joint Secretary, AJMVPS, Ahmednagar	Member
5.	**Hon. Shri. Vivek Prabhakar Bhapkar** Treasurer, AJMVPS, Ahmednagar	Member
6.	**Hon.Shri. Popatrao Baguji Pawar** Local Society Member	Member
7.	**Hon. Dr. Mohite N. D.** Head, Department of English	Member
8.	**Hon. Dr.Laxmikant Ramesh Yelwande** Teacher Representative	Member
9.	**Hon. Smt. Susham Bhaskar Dare** Teacher Representative	Member
10.	**Hon. Shri Sabale Shivaji Jagannath** Administrative Staff Representative	Member
11.	**Hon. Dr. Harkal Ananta Dnyanoba** Coordinator, IQAC	Member
12.	**Hon. Dr. Bhaskar Hari Zaware** Principal	Secretary

Governing Body

Sr. No.	Name and affiliation	Designation
1.	**Hon. Shri. N. B. Zaware Patil** President, Ahmednagar Jilha Maratha Vidya Prasarak Samaj, Ahmednagar -414 001	**Chairman**
2.	**Hon. Shri. R. H. Dare** Vice- President, Ahmednagar Jilha Maratha Vidya Prasarak Samaj, Ahmednagar-414 001	**Management Nominee**
3.	**Hon. Shri. G. D. Khandeshe** Secretary, Ahmednagar Jilha Maratha Vidya Prasarak Samaj, Ahmednagar-414 001	**Management Nominee**
4.	**Hon. Shri. V. D. Athare** Joint-Secretary, Ahmednagar Jilha Maratha Vidya Prasarak Samaj, Ahmednagar-414 001	**Management Nominee**
5.	**Hon. Dr. Vivek Bhapkar** Treasurer, Ahmednagar Jilha Maratha Vidya Prasarak Samaj, Ahmednagar-414 001	**Management Nominee**
6.	**Hon. Dr. (Smt.) L. U. Kunjir** Associate professor, Department of Zoology New Arts, Commerce and Science College, Ahmednagar -414 001	**Teacher Nominee**
7.	**Hon. Dr. A. V. Mancharkar** Head, Department of Physics New Arts, Commerce and Science College, Ahmednagar -414 001	**Teacher Nominee**
8.	**Hon. Rashmi Nilesh** Hr Manager, Wipro Technologists Ltd. Pune	**Management Nominee (Industrialist)**
9.	**Hon. Prof. Shahid Akhter** Professor, Centre for Management Studies Jamia Millia Islamia University New Delhi-110 025	**University Grants Commission Nominee**
10.	**Hon. Dr. Kirankumar Bondar** Higher Education, Pune Region 17, Dr. Ambedkar Road, Near St. Mathew Marathi Church, Camp, Pune – 411 001.	**State Government Nominee**
11.	**Hon. Dr. P. V. Sathe** BM College of Commerce Deccan Gymkhana, Shivajinagar Pune - 411 004	**Savitribai Phule Pune University, Pune Nominee**
12.	**Hon. Prin. Dr. B. H. Zaware** New Arts, Commerce and Science College, Ahmednagar -414 001	**Member-Secretary**

BACKGROUND OF THE INSTITUTION WITH VISION, MISSION, AND OBJECTIVES

Ahmednagar Jilha Maratha Vidya Prasarak Samaj, Ahmednagar the parent institution was established in 1918 to impart quality education, especially to the economically and socially weaker sections of the society in the district of Ahmednagar. Chhatrapati Rajarshi Shahu Maharaj donated grants in 1918 for the building of Maratha Boarding in memory of *Karveer Chhatrapati Shivaji Maharaj IV* who was humiliated and assassinated in the Ahmednagar fort by the British and cremated on the side opposite this educational complex. Chhatrapati Rajarshi Shahu Maharaj of Kolhapur is the source of inspiration behind the establishment of this premier institute devoted to the cause of education of the weaker sections of society. The parent institution celebrated its centenary year in 2018. It is a public trust, registered under the Public Charitable Trust Act, 1953. It has contributed substantially to the educational and social developments so far and will continue to do so in the future catering to the needs of changing times. Over the years, it has grown into a family of more than a hundred educational institutions from pre-primary education to higher and professional education. It is managed by a team of dedicated social workers. During the period of about a hundred years, its developments are consistent to its motto "*Tejo Se Tejo Me Dehi*".

New Arts, Commerce and Science College, Ahmednagar established in 1970, is affiliated to the Savitribai Phule Pune University, Pune and registered under sections 2(f) and 12(B) of the UGC. During the last 50 years, the college has made a greater contribution to the educational and social development of the region. The college received Autonomous Status from the academic year 2021-22.

The total number of programmes offered by an institution is 82, which includes 31 UG, 27 PG, 06 certificate courses, a diploma, one advanced diploma, B. Voc. Programme in Printing Technology and Journalism and Mass Communication, 03 M. Phil and 13 Ph.D. programmes. The college has continuously upgraded its academic profile with new academic programmes, as per the need of the time, to open avenues of careers to students. Most of the UG academic programmes have been subsequently extended to PG and further to research programmes to ensure progression to higher levels. The total number of faculty members is 235, of which 67 are Ph. D and 95 are NET or SLET qualified. The faculty members are continuously engaged in research. In the last six years, 988 research papers have been published in national and international journals, conference proceedings and as a book chapters. Most of the publications are in international databases. The

central library is well stacked with 1,37,888 books and 157 journals. The faculty and students have access to INFLIBNET and NLIST.

In the recent past, the college has received grants under UGC-CPE, DBT STAR, DST-FIST, and UGC Paramarsh scheme. The Innovation Cell sanctioned by MHRD is working for promoting research and innovation amongst the students. The *Unnat Bharat Abhiyan Scheme* is sanctioned by the college which helps in understanding and resolving the issues of the rural population. The faculty members have received funding for major and minor research projects from UGC, ICSSR, BARC, BCUD, SPPU, Pune, and MSWC.

The college has invested an enormous amount to create the required infrastructure like classrooms, laboratories, equipment, instruments, library, ICT facilities, sports, seminar halls and auditorium to run the academic programmes efficiently and effectively. Over the years, the college has maintained its distinct position in introducing new academic programmes with immediate effect as and when designed and approved by the university. A wide range of programmes has provided greater need-based choices to the students. Teaching-learning process has been supported by teaching aids, the use of ICT, guest lectures and other curricular activities. We have developed functional linkages with some institutions and 13 MoUs to assist students in respect of summer training, internship, placement and skill developments. A good track record of university examination results has been maintained consistently. Many students excelled in academics and secured top ranks, gold medals, prizes and scholarships in the university examinations. The co-curricular, extra-curricular and extension activities undertaken by the college are commendable. The broad areas of such activities are an organization of guest lectures, faculty development programmes, seminars, workshops, industrial visits, study tours, community services, social work, health services, blood donation camps, environmental awareness, alumni and parent meets, student feedback, campus interviews, placements, NSS and NCC. The college is at the forefront in the field of sports and games. Many students have secured gold, silver, and bronze medals at university; state, national and international level sports events. The achievements of NCC cadets are notable. In the last decade, seven students participated in the RDC parade, held at New Delhi. The college has instituted scholarships and cash prizes to encourage, motivate and appreciate the student achievements in academics, sports, cultural and extension activities. The college celebrated its golden jubilee of establishment in 2019-20 and constituted Golden Jubilee Research Fellowship

(GJRF) to promote research and innovation in the campus. The college is the recipient of the prestigious state-level drama competition award *Purushottam Karandak.*

The college has reached its present status of excellence due to the constant support and encouragement from the management, dedicated team of teaching and administrative staff, and above all support from the students and society. We are committed to striving hard to reach greater heights of excellence to fulfill the future expectations of all the stakeholders.

Institutional Vision and Mission

Vision

"Tejo Se Tejo Me Dehi !" i.e. Oh God! You are the Source of Luster, Grant Me Luster.

Mission

- To provide educational opportunities, especially to the socially underprivileged and economically weaker sections of the society.
- To foster the holistic personality of the students.
- To impart basic knowledge and develop skills, aptitudes and competencies to meet future challenges.
- To instill research culture and a positive attitude for the progress and development of the nation.
- To inculcate good moral values among students required for social commitment and national integration.

Objectives

In realizing the mission our sincere efforts are directed to achieve the following objectives.

- To provide state-of-the-art infrastructure and competent faculties to impart quality education.
- To provide high quality, student-friendly, disciplined ambiance.
- To develop the all-round personality of the student through curricular, co-curricular and extracurricular activities.
- To provide a wide range of courses in traditional, professional and vocational streams.
- To develop the institute as a center of learning and research in various disciplines to meet the ever-changing demands of the day.

Distinctive Features

- Establishment: 1970, Celebrated Golden Jubilee Year in 2019-20.

- Academic Autonomy from the Academic year 2021-22

- NAAC 'A' Grade in I cycle with 85.10 Score (2003)

- NAAC 'A' Grade in II cycle with CGPA 3.53 (2012)

- NAAC 'A $^{++}$' Grade in III cycle with CGPA 3.79. (2017)

- Star College Scheme, Department of Biotechnology, Government of India. (Biotechnology, Botany, Zoology, Chemistry, Microbiology, Mathematics, Physics, Electronics, Statistics)

- DST- FIST Funding (Department of Chemistry-2008 and College level-2016), Department of Science and Technology, Government of India.

- College with Potential for Excellence, UGC, New Delhi.

- Indira Gandhi N. S. S. Award 2004-05

- National Award for Short Film *Pistulya,* Government of India.

- Five Adopted villages under *Unnat Bharat Abhiyan.*

- Mentor Institution under Paramarsh Scheme, UGC, New Delhi.

- Best College Award (2003-04 and 2015-16), SPPU, Pune.

- State-level drama competition *Purushtoum Karandak*: 2017 and 2019.

- State-level drama competition *Rangvaikhiri Karandak*: 2017, Government of Maharashtra.

- Best College Magazine Award (2007-08, 2008-09, 2011-12, 2012-13, 2019-20), SPPU, Pune.

- Best College Magazine Award 2015-16, Yashwantrao Chavan Pratishthan, Mumbai.

- Best NSS Unit Award (2018-19), Savitribai Phule Pune University, Pune

ACADEMIC PROGRAMMES OFFERED

ARTS (B. A.)	ARTS (M. A.)	(CERTIFICATE COURSE)
❖ Marathi ❖ Hindi ❖ English ❖ History ❖ Economics ❖ Geography ❖ Psychology ❖ Sociology ❖ Philosophy ❖ Political Science ❖ Defense and Strategic Studies ❖ Music	❖ Marathi ❖ Hindi ❖ English ❖ History ❖ Economics ❖ Psychology ❖ Sociology ❖ Political Science	❖ German ❖ French ❖ Russian ❖ Japanese ❖ Spanish
COMMERCE	**COMMERCE**	**DIPLOMA**
❖ B.Com. ❖ B.B.A. ❖ B.B.A (C.A.)	❖ M.Com	❖ Baking and Finance
SCIENCE (B. Sc.)	**SCIENCE (M. Sc.)**	**Ph. D.**
❖ Physics ❖ Chemistry ❖ Botany ❖ Zoology ❖ Mathematics ❖ Statistics ❖ Electronic Science ❖ Computer Science ❖ Geography ❖ Microbiology ❖ Biotechnology ❖ Environmental Science ❖ Wine Technology ❖ Animation ❖ B.C.A. (Science) ❖ B. Voc. In Printing Technology ❖ B. Voc in Journalism and Mass Communication	❖ Physics ❖ Organic Chemistry ❖ Analytical Chemistry ❖ Inorganic Chemistry ❖ Biochemistry ❖ Drug Chemistry ❖ Botany ❖ Zoology ❖ Mathematics ❖ Statistics ❖ Electronic Science ❖ Computer Science ❖ Microbiology ❖ Biotechnology ❖ Environmental Science ❖ Geography ❖ Communication Studies ❖ Computer Applications	❖ Marathi ❖ Hindi ❖ History ❖ Commerce ❖ Chemistry ❖ Botany ❖ Zoology ❖ Environmental Science ❖ Mathematics ❖ English ❖ Biotechnology ❖ Economics ❖ Sociology **CLASSIFIED** UG - 33 PG - 27 Certificate - 05 Diploma - 01 Ph.D. Courses - 13 M. Phil - 03 **Total - 82**

New Arts, Commerce and Science College, Ahmednagar (Autonomous)

Academic Programmes and Credits

Sr. No.	Programme	Credits for CGPA	Additional non- CGPA Credits	Total
1.	B. A.	132	08	140
2.	B. Com.	132	08	140
3.	B. B. A.	140	08	148
4.	B. B. A. (C. A.)	140	08	148
5.	B. Sc.	132	08	140
6.	B. Sc. Biotechnology	140	08	148
7.	B. Sc. Wine Technology	140	08	148
8.	B. Sc. Computer Science	140	08	148
9.	B. Sc. Animation	140	08	148
10.	B. C. A. Science	140	08	148
11.	M. A.	72	10	82
12.	M. Com.	72	10	82
13.	M. Sc.	88	12	100
14.	M. Sc. (Mathematics, Statistics)	88	12	100
15.	M. Sc. Media and Communication Studies	88	12	100
16.	B. Voc. Printing Technology*	180	00	180
17.	B. Voc. JMC*	180	00	180

* B. Voc. in Printing Technology and Journalism and Mass Communication: The CBCS system, as per the guidelines issued in the official Gazette of India dated 19th January 2013 and subsequent amendments issued from time to time

Sanctioned Intake

Sr. No.	Course (Programme)	Intake
1.	B. A. (11 Subjects)	720
2.	B. Com.	600
3.	B.B.A.	160
4.	B.B.A. (C.A)	160
5.	B. Sc. (10 Subjects)	480
6.	B. Sc. Biotechnology	45
7.	B. Sc. Computer Science	160
8.	B. Sc. Wine Technology	30
9.	B. Sc. Animation	60
10.	B.C.A. Science	80
11.	Certificate Course in German	24
12.	Certificate Course in French	24
13.	Certificate Course in Russian	24
14.	Certificate Course in Japanese	24
15.	Certificate Course in Spanish	24
16.	B. Voc in Printing Technology	60
17.	B. Voc in Journalism and Mass Communication	60

Contact Details : Administration

Sr. No.	Name	Designation	Contact Details
1.	Dr. B. H. Zaware	Principal	9860261816
2.	Dr. B. B. Sagade	Vice-Principal (Arts)	9822965735
3.	Dr. S. B. Kalamkar	Vice-Principal (Commerce)	9403375734
4.	Dr. A. E. Athare	Vice-Principal (Science)	9763263275
5.	Shri. B. K. Sabale	Registrar	9881622170
6.	Ms. H. V. Kadam	Office Superintendent	9604914771
7.	Shri. R. M. Patil	Office Superintendent	8421515251

Contact Details for Faculty of Arts and Humanities

Sr. No.	Department	Academic Programmes	Head of the Department	Contact Number and Email address
1.	Marathi	B. A. Marathi M. A. Marathi Ph. D. Marathi	Prof. Yelwande L. R.	marathi@newartsdcs.ac.in 9822868327
2.	Hindi	B. A. Hindi M. A. Hindi Ph. D. Hindi	Prof. Jagtap H. D.	hindi@newartsdcs.ac.in 9595192227
3.	English	B. A. English M. A. English Ph. D. English	Prof. Mohite N. D.	english@newartsdcs.ac.in 9881688274
4.	History	B. A. History M. A. History Ph. D. History	Prof. Ambade K. M.	history@newartsdcs.ac.in 9422727614
5.	Economics	B. A. Economics M. A. Economics M. Phil Economics Ph. D. Economics	Dr. Undre B. D.	economics@newartsdcs.ac.in 9403726342
6.	Political Science	B. A. Political Science M. A. Political Science	Mrs. Thube P. B.	politicalscience@newartsdcs.ac.in 7588079124

Sr.No.	Name of the Department	Name of the Academic Programmes	Head of the Department	Contact Number and Email address
7.	Sociology	B. A. Sociology M. A. Sociology	Prof. Shelke P. T.	sociology@newartsdcs.ac.in 9657817281
8.	Philosophy	B. A. Philosophy	Prof. Bagade A. W.	philosophy@newartsdcs.ac.in 8600557393
9.	Psychology	B. A. Psychology M. A. Psychology	Dr. Ahirrao K. D.	psychology@newartsdcs.ac.in 9850767373
10.	Defense and Strategic Studies	B. A. Defense and Strategic Studies	Prof. Todkar B. D.	defensestudies@newartsdcs.ac.in
11.	Music	B. A. Music	Mr. Khalikar N. S.	music@newartsdcs.ac.in
12.	Geography	B. A. Geography M. A. Geography	Dr. Pandit A. P.	geography@newartdcs.ac.in 9423433473

Faculty of Commerce and Management

Sr.No.	Name of the Department	Name of the Academic Programmes	Head of the Department	Contact Number and Email address
1.	Commerce	B. Com M. Com Ph. D. Commerce PGDBF	Dr. Kalamkar S. B.	commerce@newartsdcs.ac.in 9403375734

2.	B. B. A.	B. B. A.	Dr. Waghmare M. P.	bba@newartsdcs.ac.in 8237649802
3.	B. B. A. (B. A.)	B. B. A. (B. A.)	Mrs. Nimbalkar S. S.	bbaca@newartsdcs.ac.in 9011542746

Faculty of Science and Technology

Sr.No.	Name of the Department	Name of the Academic Programmes	Head of the Department	Contact Number and Email address
1.	Physics	B. Sc. Physics M. Sc. Physics	Prof. Dr. Mancharkar A. V.	physics@newartsdcs.ac.in 9326636639
2.	Chemistry	B. Sc. Chemistry M. Sc. Organic Chemistry M. Sc. Inorganic Chemistry M. Sc. Drug Chemistry M. Sc. Analytical Chemistry M. Sc. Biochemistry M. Phil Chemistry Ph. D. Chemistry	Dr. Athare A. E.	chemistry@newartsdcs.ac.in 9763263275
3.	Botany	B. Sc. Botany M. Sc. Botany Ph. D. Botany	Dr. Adsure	Botany@newartsdcs.ac.in 9423160730
4.	Zoology	B. Sc. Zoology M. Sc. Zoology M.Phil Zoology Ph. D. Zoology	Prof. Dr. Pokale S. N.	zoology@newartsdcs.ac.in 9404976515
5.	Microbiology	B. Sc. Microbiology M. Sc. Microbiology	Dr. Kukreja G. P.	microbiology@newartsdcs.ac.in 9823683317

6.	Biotechnology	B. Sc. Biotechnology B. Sc. Wine Brewing and Alcohol Technology M. Sc. Biotechnology Ph. D. Biotechnology	Dr. Moharekar S. S.	biotechnology@newartsdcs.ac.in 9970544544
7.	Environmental Science	B. Sc. Environmental Science M. Sc. Environmental Science Ph. D. Environmental Science	Dr. Kulkarni S. D.	environmentalsciecne@newartsdcs.ac.in 7588005710
7.	Mathematics	B. Sc. Mathematics M. Sc. Mathematics Ph. D. Mathematics	Prof. Dr. Gaikwad S. B.	mathematics@newartsdcs.ac.in 9767788450
8.	Statistics	B. Sc. Statistics M. Sc. Statistics	Dr. Kulkarni A. A.	statistics@newartsdcs.ac.in 9421390167
9.	Electronic Science	B. Sc. Electronic Science M. Sc. electronic Science	Mr. Sonawane D. K.	electronicscience@newartsdcs.ac.in
10	Computer Science	B. Sc. Computer Science M. Sc. Computer Science	Mr. Gangarde A. D.	computerscience@newartsdcs.ac.in 9422224440
11.	Animation	B. Sc. Animation	Mr. Thube S. B.	animation@newartsdcs.ac.in 9823092999
12.	Computer Applications	B. C. A. (Science) M. Sc.	Mr. Gangarde A. D.	bcascience@newartsdcs.ac.in 9422224440

		Computer Applications		
13.	Communication Studies	M. Sc. Media and Communication Studies B. Voc. Journalism and Communication studies	Mr. Girhe S. B.	hod@newartsdcs.ac.in 9922772229
14	Printing Technology	B. Voc. Printing Technology	Mr. Gangarde A. D.	bcascience@newartsdcs.ac.in 9422224440

Faculty of Arts
Bachelor of Arts (B. A.)

Rules and Regulations:

The B.A. programme is for 3 academic years and 6 semesters. The minimum total number of credits required for each programme is 132 plus 08 additional credits.

Bachelor of Arts (B.A.): Structure

Class	Semester	Subjects	Courses	DSCC	AECC	DSEC	SEC	GE*	Total Credits
F. Y. B. A.	I	05G +01 CE= 06	06T	06	-	-	-		18
F. Y. B. A.	II	05G +01 CE= 06	06T	06	-	-	-		18
S. Y. B. A.	III	01 CE+ 03 G + 02 EC + 01 SEC+ AEC-02= 09	09T	04	A-MIL B- Moral and ethical reasoning	02	01		24
S. Y. B. A.	IV	01 CE+ 03 G + 02 EC + 01 SEC+ AEC-02= 09	09T	04	A-MIL B-Environmental Awareness	02	01		24
T.Y. B. A.	V	01 CE+ 03 G + 02 EC + 01 SEC+ 01 GE =08	08T	04	-	02	01	01	24
T.Y. B. A.	VI	01 CE+ 03 G + 02 EC + 01 SEC+ 01 GE= 08	08T	04	-	02	01	01	24
Total									132

* Generic elective (GE): students are allowed to opt from any department of the college. The examination cell will design and implement the mechanism of credit transfer.

Credit Distribution

Class	Semester	Subjects	Courses	DSCC	AECC	DSEC	SEC	GE*	Total Credits
F. Y. B. A.	I	06	06T	18	00	00	00	00	18
F. Y. B. A.	I	06	06T	18	00	00	00	00	18
S. Y. B. A.	III	01	09T	12	04	06	02	00	24
S. Y. B. A.	IV	01	09T	12	04	06	02	00	24
T.Y. B. A.	V	01	08T	12	00	06	03	03	24
T.Y. B. A.	VI	01	08T	12	00	06	03	03	24
Total									132

Faculty of Arts and Humanities

F. Y. B. A. Group for admission

Group A1

Course Type	Subject	Credit	CIA	End Sem Exam	Total
DSCC -01	Compulsory English	3	30	70	100
DSCC -02	Marathi	3	30	70	100
DSCC -03	Psychology	3	30	70	100
DSCC -04	Defense and Strategic Studies	3	30	70	100
DSCC -05	History	3	30	70	100
DSCC -06	Geography	3	30	70	100
	Additional Credit Course	2	0	50	Grade

Group A2

Course Type	Subject	Credit	CIA	End Sem Exam	Total
DSCC -01	Compulsory English	3	30	70	100
DSCC -02	Hindi	3	30	70	100
DSCC -03	Psychology	3	30	70	100
DSCC -04	Defense and Strategic Studies	3	30	70	100
DSCC -05	Political Science	3	30	70	100
DSCC -06	Optional English	3	30	70	100
	Additional Credit Course	2	0	50	Grade

Group B3

Course Type	Subject	Credit	CIA	End Sem Exam	Total
DSCC -01	Compulsory English	3	30	70	100
DSCC -02	Marathi	3	30	70	100
DSCC -03	Hindi	3	30	70	100
DSCC -04	Sociology	3	30	70	100
DSCC -05	Geography	3	30	70	100
DSCC -06	Economics	3	30	70	100
	Additional Credit Course	2	0	50	Grade

Group B4

Course Type	Subject	Credit	CIA	End Sem Exam	Total
DSCC -01	Compulsory English	3	30	70	100
DSCC -02	Marathi	3	30	70	100
DSCC -03	Hindi	3	30	70	100
DSCC -04	Sociology	3	30	70	100
DSCC -05	Economics	3	30	70	100
DSCC -06	Logic	3	30	70	100
	Additional Credit Course	2	0	50	Grade

Group C5

Course Type	Subject	Credit	CIA	End Sem Exam	Total
DSCC -01	Compulsory English	3	30	70	100
DSCC -02	Marathi	3	30	70	100
DSCC -03	Political Science	3	30	70	100
DSCC -04	History	3	30	70	100
DSCC -05	Sociology	3	30	70	100
DSCC -06	Philosophy	3	30	70	100
	Additional Credit Course	2	0	50	Grade

Group C6

Course Type	Subject	Credit	CIA	End Sem Exam	Total
DSCC -01	Compulsory English	3	30	70	100
DSCC -02	Hindi	3	30	70	100
DSCC -03	Political Science	3	30	70	100
DSCC -04	Anthropology	3	30	70	100
DSCC -05	Geography	3	30	70	100
DSCC -06	Philosophy	3	30	70	100
	Additional Credit Course	2	0	50	Grade

Group D7

Course Type	Subject	Credit	CIA	End Sem Exam	Total
DSCC -01	Compulsory English	3	30	70	100
DSCC -02	Marathi	3	30	70	100
DSCC -03	Economics	3	30	70	100
DSCC -04	Geography or Music	3	30	70	100
DSCC -05	Political Science	3	30	70	100
DSCC -06	History	3	30	70	100
	Additional Credit Course	2	0	50	Grade

Group D8

Course Type	Subject	Credit	CIA	End Sem Exam	Total
DSCC -01	Compulsory English	3	30	70	100
DSCC -02	Hindi	3	30	70	100
DSCC -03	Economics	3	30	70	100
DSCC -04	Sociology	3	30	70	100
DSCC -05	Gandhian Thought or Logic	3	30	70	100
DSCC -06	History	3	30	70	100
	Additional Credit Course	2	0	50	Grade

Group E9

Course Type	Subject	Credit	CIA	End Sem Exam	Total
DSCC -01	Compulsory English	3	30	70	100
DSCC -02	Hindi	3	30	70	100
DSCC -03	Defence and Strategic Studies	3	30	70	100
DSCC -04	History	3	30	70	100
DSCC -05	Psychology	3	30	70	100
DSCC -06	Marathi	3	30	70	100
	Additional Credit Course	2	0	50	Grade

Group E10

Course Type	Subject	Credit	CIA	End Sem Exam	Total
DSCC -01	Compulsory English	3	30	70	100
DSCC -02	Marathi	3	30	70	100
DSCC -03	Gandhian Thought	3	30	70	100
DSCC -04	History	3	30	70	100
DSCC -05	Geography	3	30	70	100
DSCC -06	Optional English or Music	3	30	70	100
	Additional Credit Course	2	0	50	Grade

Group F11 (Select any Five From 02 to 12)

Course Type	Subject	Credit	CIA	End Sem Exam	Total
DSCC -01	Compulsory English	3	30	70	100
DSCC -02	History	3	30	70	100
DSCC -03	Psychology	3	30	70	100
DSCC -04	Optional English	3	30	70	100
DSCC -05	Marathi	3	30	70	100
DSCC -06	Music	3	30	70	100
DSCC -07	Hindi	3	30	70	100
DSCC -08	Political Science	3	30	70	100
DSCC -09	Geography	3	30	70	100
DSCC -10	Philosophy	3	30	70	100
DSCC -11	Economics	3	30	70	100
DSCC -12	Sociology	3	30	70	100
	Additional Credit Course	2	0	50	Grade

Programme Structure and Credits
B. A. Marathi

Sr. No.	Semester	Course Code	Title	Credits
1.	I	BA-MAR 101 T	Adhunik Marathi Sahitya: Katha ani Bhashik Kaushalya Vikas	03
2.	II	BA-MAR 201 T	Adhunik Marathi Sahitya: Ekankika ani Bhashik Kaushalya Vikas	03
3.	III	BA-MAR 301 T	Adhunik Marathi Sahitya: Kadambari ani Bhashik Kaushalya Vikas	03
4.	III	BA-MAR 302 T	Adhunik Marathi Sahityachi Sanskrutik Parshvabhumi	03
5.	III	BA-MAR 303 T	Madhyaugin Marathi vadhamyacha Etiha: Sthul Parichay(Prarambh te 1660)	03
6.	III	BA-MAR 304 T	Upayojit Lekhan Kaushale Bhag -1	02
7.	IV	BA-MAR 401 T	Adhunik Marathi Sahitya: Lalitgadya ani Bhashik Kaushalya Vikas	03
8.	IV	BA-MAR 402 T	Adhunik Marathi Sahitya: Atmacharitra/ Charitra	03
9.	IV	BA-MAR 403 T	Madhyaugin Marathi vadhamyacha Etiha: Sthul Parichay(1600 te 1818)	03
10.	IV	BA-MAR 404 T	Upayojit Lekhan Kaushale Bhag -2	02
11.	V	BA-MAR 501 T	Adhunik Marathi Sahitya: Pravasvarnan ani Bhashik Kaushlya Vikas	03
12.	V	BA-MAR 502 T	Sahityavichar	03
13.	V	BA-MAR 503 T	Varnanatmak Bhashavidnyan Bhag -01	03
14.	V	BA-MAR 504 T	Karyakram Sanyojnatil Bhashik Kaushaly Bhag-01	03
15.	V	BA-MAR 505 T	Elective Course	03
16.	VI	BA-MAR 601 T	Adhunik Marathi Sahitya: Kavita ani Bhashik Kaushlya Vikas	03
17.	VI	BA-MAR 602 T	Sahitya Samiksha	03
18.	VI	BA-MAR 603 T	Varnanatmak Bhashavidnyan Bhag -02	03
19.	VI	BA-MAR 604 T	Karyakram Sanyojnatil Bhashik Kaushaly Bhag-02	03
20.		BA-MAR 605 T	Elective Course	**03**

Programme Structure and Credits

B. A. Hindi

Sr. No.	Semester	Course Code	Title	Credits
1.	I	BA-HIN 101 T	Kavya, Kahani Tatha Vyavharik Hindi	03
2.	II	BA-HIN 201 T	Kavya, Kahani Tatha Vyavharik Hindi	03
3.	III	BA-HIN 301 T	Adhunik Kavya,Kahani Tatha Vyavharik Hindi	03
4.	III	BA-HIN 302 T	Kavyashashtra	03
5.	III	BA-HIN 303 T	Madhyayugin Kavya Tatha Upanyas Sahitya	03
6.	III	BA-HIN 304 T	Anuvad Swarup Evam Vyavhar	02
7.		BA-HIN 305 T	Hindi Bhasha Shikshan (AECC)	02
8.	IV	BA-HIN 401 T	Adhunik Hindi Vyangya Sahitya Tatha Vyavharik Hindi	03
9.	IV	BA-HIN 402 T	Kavyashashtra	03
10.	IV	BA-HIN 403 T	Madhyayugin Kavya Tatha Natak Sahitya	03
11.	IV	BA-HIN 404 T	Madhyam Lekhan	02
12.		BA-HIN 404 T	Hindi Bhasha Shikshan (AECC)	
13.	V	BA-HIN 501 T	Kathaetar Vidhayen	03
14.	V	BA-HIN 502 T	Hindi Sahitya Ka Itihas (Adikal, Bhaktikal, Ritikal Ka Samanya Parichay)	03
15.	V	BA-HIN 503 T	Bhasha Vidyan (Samanya Parichay)	03
16.	V	BA-HIN 504 T	Patkatha Lekhan	03
17.	V	BA-HIN 505 T	Hindi Bhasha Ka Sanrachana	03
18.		BA-HIN 505 T	Hindi Bhasha Ka Sanrachana	
19.	VI	BA-HIN 601 T	Gazal Vidha Aur Patrachar	03
20.	VI	BA-HIN 602 T	Hindi Sahitya Ka Itihas ((Adikal, Bhaktikal, Ritikal Ka Samanya Parichay)	03
21.	VI	BA-HIN 603 T	Hindi Bhasha Aur Uska Vikas	03
22.	VI	BA-HIN 604 T	Sahitya Aur Filmantaran	03
23.		BA-HIN 605 T	Karyalayin Aur Vyavharik Patrachar	03

Programme Structure and Credits

B. A. English

Sr. No.	Semester	Course Code		Credits
1.	I	BA-ENG 101 T	Compulsory English	03
2.		BA-ENG 102 T	Optional English	03
3.	II	BA-ENG 201 T	Compulsory English	03
4.		BA-ENG 202 T	Optional English	03
5.	III	BA-ENG 301 T	Compulsory English	03
6.	III	BA-ENG 302 T	General English	03
7.	III	BA-ENG 303 T	Special Paper I Appreciating Drama	03
8.	III	BA-ENG 304 T	Special Paper II (a)Appreciating Poetry (b) English Poetry	03
9.		BA-ENG 305 T	English for Civil Services	02
10.	IV	BA-ENG 401 T	Compulsory English	03
11.	IV	BA-ENG 402 T	General English II	03
12.	IV	BA-ENG 403 T	Special Paper-I Appreciating Drama	03
13.	IV	BA-ENG 404 T (A)	Special Paper II (a)Appreciating Poetry	03
14.	IV	BA-ENG 404 T (B)	(b) English Poetry	03
15.	IV	BA-ENG 404 T	English for Civil Services	02
16.	V	BA-ENG 501 T	Compulsory English	03
17.	V	BA-ENG 502 T	General English III	03
18.	V	BA-ENG 503 T	Special Paper III Appreciating Novels	03
19.	V	BA-ENG 504 T (A)	Special Paper IV (A)Introduction to Literary Criticism	03
20.		BA-ENG 504 T(B)	(B) Introduction to Literary Theory	
21.	V	BA-ENG 505 T	English for Competitive Exams	03
22.	VI	BA-ENG 601 T	Compulsory English	03
23.	VI	BA-ENG 602 T	General English III	03
24.	VI	BA-ENG 603 T	Special Paper III Appreciating Novel	03
25.	VI	BA-ENG 604 T	Special, Paper IV (A)Introduction to Literary Criticism	03
26.	VI		(B) Introduction to Literary Theory	
27.	VI	BA-ENG 605 T	English for Competitive Exams	03

Programme Structure and Credits

B. A. History

Sr. No.	Semester	Course Code		Credits
1.	I	BA-HIS 101 T	Early India : Up to Age of Maurya	03
2.	II	BA-HIS 201 T	Early India : Post Mauryan Age (100 B.C. to 1100 A	03
3.	III	BA-HIS 301 T	History of Marathas : (1630-17	03
4.	III	BA-HIS 302 T	Medieval India- Dehli Sultanate (1206-15	03
5.	III	BA-HIS 303 T	Modern World Part I	03
6.	III	BA-HIS 304 T	Art and Architecture in Early India	02
7.	IV	BA-HIS 401 T	History of Marathas : (1707- 1818)	03
8.	IV	BA-HIS 402 T	Medieval India- Mughal Empire (1526-1707)	03
9.	IV	BA-HIS 403 T	Modern World Part II	03
10.	IV	BA-HIS 404 T	Medieval Indian Art and Architecture	02
11.	V	BA-HIS 501 T	Indian National Movement (1885-1947)	03
12.	V	BA-HIS 502 T	Introduction to Historiography	03
13.	V	BA-HIS 503 T	Maharshtra in 19 th Century	03
14.	V	BA-HIS 504 T	South Indian Art and Architecture	03
15.		BA-HIS 505 T	Nizamshahi of Ahmednagar (1490 to 1565)	03
16.	VI	BA-HIS 601 T	India After Independence- (1947-1991)	03
17.	VI	BA-HIS 602 T	Applied Histor	03
18.	VI	BA-HIS 603 T	Maharshtra in 20 th Century	03
19.	VI	BA-HIS 604 T	Archaeology	03
20.	VI	BA-HIS 605 T	Nizamshahi of Ahmednagar (1565 to 1636)	03

Programme Structure and Credits

B. A. Economics

Sr. No.	Semester	Course Code		Credits
1.	I	BA-ECO 101 T	Indian Economic Environment- I	03
2.	II	BA-ECO 201 T	Indian Economic Environment- II	03
3.	III	BA-ECO 301 T	Micro Economics- I	03
4.	III	BA-ECO 302 T	Macro Economics- I	03
5.	III	BA-ECO 303 T	Financial System in India- I	03
6.	III	BA-ECO 304 T	Basic Concepts of Research Methodology- I	02
7.	IV	BA-ECO 401 T	Basic Concepts of Research Methodology- I	03
8.	IV	BA-ECO 402 T	Macro Economics- II	03
9.	IV	BA-ECO 403 T	Financial System in India- II	03
10.	IV	BA-ECO 404 T	Basic Concepts of Research Methodology- II	02
11.	V	BA-ECO 501 T	Indian Economic Development- I	03
12.	V	BA-ECO 502 T	International Economics- I	03
13.	V	BA-ECO 503 T	Public Finance- I	03
14.	V	BA-ECO 504 T	Business Management- I	03
15.		BA-ECO 505 T	History of Economic Thought - I	03
16.	VI	BA-ECO 601 T	Indian Economic Development- II	03
17.	VI	BA-ECO 602 T	International Economics-II	03
18.	VI	BA-ECO 603 T	Public Finance- II	03
19.	VI	BA-ECO 604 T	Business Management- II (Project Report)	03
20.	VI	BA-ECO 605 T	History of Economic Thought - II	03

Programme Structure and Credits

B. A. Political Science

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BA-POL 101 T	Indian Constitution	03
2.	II	BA-POL 201 T	Indian Government	03
3.	III	BA-POL 301 T	Political Concepts and Debates	03
4.	III	BA-POL 302 T	Western Political Thought	03
5.	III	BA-POL 303 T	Indian Political Thought	03
6.	III	BA-POL 304 T	Indian Political Thought	02
7.	IV	BA-POL 401 T	Political Ideology	03
8.	IV	BA-POL 402 T	Social Movements	03
9.	IV	BA-POL 403 T	Political Sociology	03
10.	IV	BA-POL 404 T	Policy Evaluation	02
11.	V	BA-POL 501 T	International Organizations	03
12.	V	BA-POL 502 T	Public Administration	03
13.	V	BA-POL 503 T	Theory of International Relations	03
14.	V	BA-POL 504 T	Preparation of Profile for Research	03
15.		BA-POL 505 T	Local Politics in Maharashtra	03
16.	VI	BA-POL 601 T	Modern Political Analysis	03
17.	VI	BA-POL 602 T	Local Self Government in Maharashtra	03
18.	VI	BA-POL 603 T	Issues in International Politics	03
19.	VI	BA-POL 604 T	Politics and Media	03
20.	VI	BA-POL 605 T	Politics of Development	03

Programme Structure and Credits

B. A. Sociology

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BA-SOC 101 T	Introduction to Sociology	03
2.	II	BA-SOC 201 T	Sociology: Social Institutions and Change	03
3.	III	BA-SOC 301 T	Foundations of Sociological Thoughts	03
4.	III	BA-SOC 302 T	Society in India: Understanding Issues:-I	03
5.	III	BA-SOC 303 T	a) Population and Society: - I OR b) Welfare Justice and Citizenship	03
6.	III	BA-SOC 304 T	Gender spectrum and Media	02
7.	IV	BA-SOC 401 T	Development of Sociology in India	03
8.	IV	BA-SOC 402 T	Indian Society: Understanding Issues: -II	03
9.	IV	BA-SOC 403 T	a) Population and Society-II OR b) Welfare Justice and Citizenship	03
10.	IV	BA-SOC 404 T	Research Projects: Steps and protocols	02
11.	V	BA-SOC 501 T	Fundamental Principles of Social Research	03
12.	V	BA-SOC 502 T	Contemporary Indian Society	03
13.	V	BA-SOC 503 T	a) Crime and Society OR b) Work and Society	03
14.	V	BA-SOC 504 T	Sociology of Media	03
15.		BA-SOC 505 T	Academic Writing and Research Project	03
16.	VI	BA-SOC 601 T	Techniques of Social Research	03
17.	VI	BA-SOC 602 T	Indian Society: Changes and Challenges	03
18.	VI	BA-SOC 603 T	a) Introduction to Human Rights and Social Justice OR b) Work and Society in India	03
19.	VI	BA-SOC 604 T	Sociology of Rural Development	03
20.	VI	BA-SOC 605 T	Understanding and Mitigating Violence	03

Programme Structure and Credits

B. A. Anthropology

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BA-ANT101T	Introduction to Social Anthropology	03
2.	II	BA-ANT 201T	Introduction to Cultural Anthropology	03
3.	III	BA-ANT301T	Indian Tribes	03
4.	IV	BA-ANT401T	Understanding Tribal Community	03
5.	V	BA-ANT501T	Maharashtra: A Culture Region	03
6.	VI	BA-ANT601T	Maharashtra: A Culture Region	03

Programme Structure and Credits
B. A. Philosophy

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BA-PHI 101 T	Fundamental Studies in Philosophy	03
2.	II	BA-PHI 201 T	Fundamental Studies in Ethics	03
3.	III	BA-PHI 301 T	Philosophy of Indian Saints	03
4.	III	BA-PHI 302 T	Indian Philosophy: Atheistic (Heterodox) Systems of Indian Philosophy: S1	03
5.	III	BA-PHI 303 T	Ancient Greek and Medieval Philosophy: S2	03
6.	III	BA-PHI 304 T	A Course on Critical Thinking: Theory and Practice	02
7.	IV	BA-PHI 401 T	Introduction to Applied Ethics	03
8.	IV	BA-PHI 402 T	Indian Philosophy: Theistic (Orthodox) Systems of Indian Philosophy: S1	03
9.	IV	BA-PHI 403 T	Modern Western Philosophy: S2	03
10.	IV	BA-PHI 404 T	A Course on Philosophy and Practice of Yoga	02
11.	V	BA-PHI 501 T	Aesthetics and Religious Philosophy	03
12.	V	BA-PHI 502 T	Thinkers and Textual Studies (Indian): Thinkers: S3	03
13.	V	BA-PHI 503 T	Thinkers and Textual Studies (Western): Thinkers: S4	03
14.	V	BA-PHI 504 T	A Course on Social Science Research Methodology: Theory and Practice of dissertation writing	03
15.		BA-PHI 505 T	Environmental Ethics	03
16.	VI	BA-PHI 601 T	Socio-Political Philosophy	03
17.	VI	BA-PHI 602 T	Thinkers and Textual Studies (Indian): Textual Studies: S3	03
18.	VI	BA-PHI 603 T	Thinkers and Textual Studies (Western): Textual Studies: S4	03
19.	VI	BA-PHI 604 T	A Course on Yoga and Vipassana: Way of good life	03
20.	VI	BA-PHI 605 T	Media Ethics	03

Programme Structure and Credits
B. A. Logic

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BA-LOG101T	Traditional Logic	03
2.	II	BA-LOG201T	Propositional Logic	03
3.	III	BA-LOG301T	Deductive Proof	03
4.	IV	BA-LOG401T	Quantification and Relational Logic	03
5.	V	BA-LOG501T	Logic and Methodology of Science - I	03
6.	IV	BA-LOG601T	Logic and Methodology of Science - II	03

Programme Structure and Credits
B. A. Gandhian Thoughts

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BA-GT101T	Life and Mission of M.K. Gandhi	03
2.	II	BA-GT201T	Basic concepts in Gandhian Thought	03
3.	III	BA-GT301T	Gandhian Political Philosophy	03
4.	IV	BA-GT401T	Gandhian Thought and Contemporary Problems	03
5.	V	BA-GT501T	Gandhian Movements and Followers of Gandhism	03
6.	IV	BA-GT601T	Impact of Gandhism on further Movements and Modern Philosophers	03

Programme Structure and Credits
B. A. Psychology

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BA-PSY 101 T	Foundation of Psychology-I	03
2.	II	BA-PSY 201 T	Foundation of Psychology-II	03
3.	III	BA-PSY 301 T	Human Development: Infancy to Late Childhood	03
4.	III	BA-PSY 302 T	Health Psychology	03
5.	III	BA-PSY 303 T	Psychology of Abnormal Behaviour-I	03
6.	III	BA-PSY 304 T	Health Promotion Mind-body	02
7.	IV	BA-PSY 401 T	Human Development: Adolescence to Old age	03
8.	IV	BA-PSY 402 T	Psychology of social behavior	03
9.	IV	BA-PSY 403 T	Psychology of Abnormal Behaviour-II	03
10.	IV	BA-PSY 404 T	Healthy Life skills	02
11.	V	BA-PSY 501 T	Industrial Psychology	03
12.	V	BA-PSY 502 T	Scientific Research	03
13.	V	BA-PSY 503 T	Psychological Practical: Tests	03
14.	V	BA-PSY 504 T	Basic Counselling Skills	03
15.	V	BA-PSY 505 T	Personality Development	03
16.	VI	BA-PSY 601 T	Organizational Behaviour	03
17.	VI	BA-PSY 602 T	Experimental Psychology	03
18.	VI	BA-PSY 603 T	Psychological Practical: Experiments	03
19.	VI	BA-PSY 604 T	Advanced Counselling Skills	03
20.	VI	BA-PSY 605 T	Social Skills	03

Programme Structure and Credits
B. A. Defence and Strategic Studies

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BA-DEF 101 T	Defence Organisation of India	03
2.	II	BA-DEF 201 T	India's National Security	03
3.	III	BA-DEF 301 T	Chhatrapati Shivaji Maharaj as a Nation Builder	03
4.	III	BA-DEF 302 T	India's Internal Security - I	03
5.	III	BA-DEF 303 T	Geopolitics	03
6.	III	BA-DEF 304 T	Introduction to Human Rights and Duties	02
7.	IV	BA-DEF 401 T	Chhatrapati Shivaji Maharaj Military System	03
8.	IV	BA-DEF 402 T	India's Internal Security - II	03
9.	IV	BA-DEF 403 T	Military Geography	03
10.	IV	BA-DEF 404 T	Relation between Rights and Duties	02
11.	V	BA-DEF 501 T	India's Policy and Strategy - I	03
12.	V	BA-DEF 502 T	International Organization	03
13.	V	BA-DEF 503 T	Contemporary Warfare	03
14.	V	BA-DEF 504 T	Human Rights and UN	03
15.	V	BA-DEF 505 T	National Security	03
16.	VI	BA-DEF 601 T	India's Policy and Strategy -II	03
17.	VI	BA-DEF 602 T	Regional Organizations	03
18.	VI	BA-DEF 603 T	Modern Warfare	03
19.	VI	BA-DEF 604 T	Human Rights and Indi	03
20.	VI	BA-DEF 605 T	Global Security	03

Programme Structure and Credits
B. A. Music

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BA- MUS 101 T	Raag Sngeet abhyas(G1)	03
2.	II	BA-MUS 201 T	Raag Sngeet abhyas(G2)	03
3.	III	BA-MUS 301 T	Raag Sangeet Gayan (G3)	03
4.	III	BA-MUS 302 T	Raag Sangeet Shastra Vichar(S1)	03
5.	III	BA-MUS 303 T	Raag Sangeet Pratykshik (S2)	03
6.	III	BA-MUS 304 T	Voice Culture	02
7.	IV	BA-MUS 401 T	Raag Sangeet Gayan (G4)	03
8.	IV	BA-MUS 402 T	Raag Sangeet Shastra Vichar(S3)	03
9.	IV	BA-MUS 403 T	Raag Sangeet Pratykshik (S4)	03
10.	IV	BA-MUS 404 T	Musical Instruments, Sound and other related gadgets operating	02
11.	V	BA-MUS 501 T	Raag Sngeet Gayan (G5)	03
12.	V	BA-MUS 502 T	Raag Sngeet shastrvichar(S5)	03
13.	V	BA-MUS 503 T	Raag Sngeet Sadrikaran (S6)	03
14.	V	BA-MUS 504 T	Sugam sangeet va loksangeet-I	03
15.	V	BA-MUS 505 T	Yoga and Pranayam Practice for Music	03
16.	VI	BA-MUS 601 T	Raag Sngeet Gayan (G6)	03
17.	VI	BA-MUS 602 T	Raag Sngeet shastrvichar(S7)	03
18.	VI	BA-MUS 603 T	Raag Sngeet Sadrikaran (S8)	03
19.	VI	BA-MUS 604 T	Sugam sangeet va loksangeet-I	03
20.	VI	BA-MUS 605 T	Research Methodology in Music(introduction) - II	03

Programme Structure and Credits
B. A. Geography

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BA-GEO 101 T	Physical Geography	03
2.	II	BA-GEO 201 T	Human Geography	03
3.	III	BA-GEO 301 T	Elements of Climatology	03
4.	III	BA-GEO 302 T	Physical Geography of Maharashtra	03
5.	III	BA-GEO 303 T	Scale and Map Projection	03
6.	III	BA-GEO 304 T	Applied course of Disaster Management	02
7.	IV	BA-GEO 401 T	Elements of Oceanography	03
8.	IV	BA-GEO 402 T	Human Geography of Maharashtra	03
9.	IV	BA-GEO 403 T	Cartography, Surveying and Field Visit	03
10.	IV	BA-GEO 404 T	Applied course of Travel and Tourism	02
11.	V	BA-GEO 501 T	Disaster Management - I	03
12.	V	BA-GEO 502 T	Physical Geography of India	03
13.	V	BA-GEO 503 T	Techniques of Spatial Analysis - I	03
14.	V	BA-GEO 504 T	Research Methodology - I	03
15.	V	BA-GEO 505 T	Travel and Tourism - I	03
16.	VI	BA-GEO 601 T	Disaster Management - II	03
17.	VI	BA-GEO 602 T	Human Geography of India	03
18.	VI	BA-GEO 603 T	Techniques of Spatial Analysis– II	03
19.	VI	BA-GEO 604 T	Research Methodology – II	03
20.	VI	BA-GEO 605 T	Research Methodology – II	03

Faculty of Commerce and Management
Bachelor of Commerce (B. Com.)
Rules and Regulations:

The B.Com. programme is of 3 academic years and 6 semesters. The minimum total number of credits requirements for each programme is 132 credits and 08 supplementary credits.

Bachelor of Commerce (B. Com.)

Class	Semester	Courses	DSCC	AECC	DSEC	SEC	Total Credits
B. Com.	I	08	07	-	-	01	22
B. Com.	II	08	07	-	-	01	22
B. Com.	III	09	05	Moral and Ethical Reasoning	01	02	22
B. Com.	IV	09	05	Environmental Awareness	01	02	22
B. Com.	V	10	04	Understanding India	02	03	22
B. Com.	VI	10	04	Critical Thinking	02	03	22
Total							132

Credit Distribution

Class	Semester	Courses	DSCC	AECC	DSEC	SEC	Total Credits
F.Y. B. Com.	I	08	21	00	00	01	22
F.Y. B. Com.	II	08	21	00	00	01	22
S.Y. B. Com.	III	09	15	02	03	02	22
S.Y. B. Com.	IV	09	15	02	03	02	22
T.Y. B. Com.	V	10	12	01	06	03	22
T.Y. B. Com.	VI	10	12	01	06	03	22
Total							132

Programme Structure and Credits
B. Com.

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BCOM 101 T	Compulsory English-I	03
2.	I	BCOM 102 T	Financial Accounting-I	03
3.	I	BCOM 103 T	Business Economics (Micro) -I	03
4.	I	BCOM 104 T	Business Mathematics and Statistics-I	03
5.	I	BCOM 105 T	Banking and Finance-I	03
6.	I	BCOM 106 T	Marketing and Salesmanship-I	03
7.	I	BCOM 107 T	A. Additional English-I B. Additional Hindi-I C. Additional Marathi-I	03
8.	I	BCOM 108 P	Financial Accounting-I (Practical)	01
9.	II	BCOM 201 T	Compulsory English-II	03
10.	II	BCOM 202 T	Financial Accounting-II	03
11.	II	BCOM 203 T	Business Economics (Micro)-II	03
12.	II	BCOM 204 T	Business Mathematics and Statistics-II	03
13.	II	BCOM 205 T	Banking and Finance-II	03
14.	II	BCOM 206 T	Marketing and Salesmanship-II	03
15.	II	BCOM 207 T	A. Additional English-II B. Additional Hindi-II C. Additional Marathi-II	03
16.	II	BCOM 208 P	Financial Accounting-II (Practical)	01
17.	III	BCOM 301 T	Business Communication -I	03
18.	III	BCOM 302 T	Corporate Accounting-I	03
19.	III	BCOM 303 T	Business Economics (Macro)-I	03
20.	III	BCOM 304 T	Business Management -I	03
21.	III	BCOM 305 T	Elements of Company Law-I	03
22.	III	BCOM 306 T	A Cost and Works Accounting-I B. Marketing Management-I	03
23.	III	BCOM 307 P	Business Communication -I (Practical)	01
24.	III	BCOM 308 P	A Cost and Works Accounting-I B. Marketing Management-I	01
25.	III	BCOM 309 T	Moral and Ethical Reasoning.	02
26.	IV	BCOM 401 T	Business Communication -II	03
27.	IV	BCOM 402 T	Corporate Accounting-II	03
28.	IV	BCOM 403 T	Business Economics (Macro)-II	03
29.	IV	BCOM 404 T	Business Management -II	03
30.	IV	BCOM 405 T	Elements of Company Law-II	03
31.	IV	BCOM 406 T	A Cost and Works Accounting-II B. Marketing Management-II	03
32.	IV	BCOM 407 P	Business Communication -II (Practical)	01
33.	IV	BCOM 408 P	A Cost and Works Accounting-II B. Marketing Management-II	01

34.	IV	BCOM 409 T	Environment Awareness	02
35.	V	BCOM 501 T	Business Regulatory Framework-I	03
36.	V	BCOM 502 T	Advanced Accounting-I	03
37.	V	BCOM 503 T	Indian and Global Economic Development-I	03
38.	V	BCOM 504 T	Auditing and Taxation-I	03
39.	V	BCOM 505 T	A. Cost and Works Accounting-III B. Marketing Management-III	03
40.	V	BCOM 506 T	A. Cost and Works Accounting-IV B. Marketing Management-IV	03
41.	V	BCOM 507 P	Auditing and Taxation-I(Practical)	01
42.	V	BCOM 508 P	A. Cost and Works Accounting-III (Practical) B. Marketing Management-III (Practical)	01
43.	V	BCOM 509 P	A. Cost and Works Accounting-IV (Practical) B. Marketing Management-IV (Practical)	01
44.	V	BCOM 510 T	Understanding India	01
45.	VI	BCOM 601 T	Business Regulatory Framework-II	03
46.	VI	BCOM 602 T	Advanced Accounting-II	03
47.	VI	BCOM 603 T	Indian and Global Economic Development-II	03
48.	VI	BCOM 604 T	Auditing and Taxation-II	03
49.	VI	BCOM 605 T	A. Cost and Works Accounting-V B. Marketing Management-V	03
50.	VI	BCOM 606 T	A. Cost and Works Accounting-VI B. Marketing Management-VI	03
51.	VI	BCOM 607 P	Auditing and Taxation-II (Practical	01
52.	VI	BCOM 608 P	A. Cost and Works Accounting-V (Practical) B. Marketing Management-V (Practical)	01
53.	VI	BCOM 609 P	A. Cost and Works Accounting-VI (Practical) B. Marketing Management-VI (Practical)	01
54.	VI	BCOM 610 T	Critical Thinking	01

Faculty of Commerce and Management
Bachelor of Business Administration (B. B. A.)

Rules and Regulations

The B. B. A. and B. B. A. (C. A.) programmes are for 3 academic years and 6 semesters. The minimum total number of credits requirements for each programme is 140 credits and 08 additional credits.

Bachelor of Business Administration (B. B. A.): Programme Structure

Class	Semester	Courses	DSCC	AECC	DSEC	SEC	Project	Total Credits
F.Y.	I	06	06					24
F.Y.	II	06	06					24
S.Y.	III	07	04	Moral and Ethical Reasoning	02			22
S.Y.	IV	07	04	Environmental Awareness	02			22
T.Y.	V	07	02		02	02	01	24
T.Y.	VI	07	02		02	02	01	24
Total								140

Bachelor Business Administration (B. B. A.): Credit Distribution

Class	Semester	Subjects	Courses	DSCC	AECC	DSEC	SEC	Project	Total Credits
F.Y.	I	01	06	24	-	-	-	-	-	24
F.Y.	I	01	06	24	-	-	-	-	-	24
S.Y.	III	01	07	12	02	08	-	-		22
S.Y.	IV	01	07	12	02	08	-	-		22
T.Y.	V	01	07	06	-	08	-	08	02	24
T.Y.	VI	01	07	06	-	08	-	08	02	24
Total										140

Programme Structure and Credits
B. B. A.

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BBA 101 T	Principles of Management	04
2.	I	BBA 102 T	Business Communication Skills	04
3.	I	BBA 103 T	Business Accounting	04
4.	I	BBA 104 T	Business Economics – Micro	04
5.	I	BBA 105 T	Business Mathematics	04
6.	I	BBA 106 T	Business Demography	04
7.	II	BBA 201 T	Business Organization and System	04
8.	II	BBA 202 T	Principles of Marketing	04
9.	II	BBA 203 T	Principles of Finance	04
10.	II	BBA 204 T	Basics of Cost Accounting	04
11.	II	BBA 205 T	Business Statistics	04
12.	II	BBA 206 T	Fundamentals of Computers	04
13.	III	BBA 301 T	Principles of Human Resource Management	03
14.	III	BBA 302 T	Supply Chain Management	03
15.	III	BBA 303 T	Global Competencies & Personality Development	03
16.	III	BBA 304 T	Fundamentals of Rural Development	03
17.	III	BBA 305 A T	Consumer Behaviour & Sales Management	04
18.	III	BBA 306A T/ Pr	Retail Management + Business Exposure (Project)	04
19.	III	BBA 305 B T	Management Accounting	04
20.	III	BBA 306 B T/ Pr	Banking & Finance +Business Exposure(project)	04
21.	III	BBA 305 C T	Organizational Behaviour	04
22.	III	BBA 306 C T/Pr	Legal Aspects in Human Resource +Business Exposure (Project)	04
23.	III	BBA 305 D T	Fundamentals of Services Management	04
24.	III	BBA 306 D T/Pr	Principles & Functions of Services Management+ Business Exposure (Project)	04
25.	III	BBA 307 T	Moral and Ethical Reasoning	02
26.	IV	BBA 401 T	Entrepreneurship and Small Business Management	03
27.	IV	BBA 402 T	Productions and Operations Management	03
28.	IV	BBA 403 T	Decision Making and Risk Management	03
29.	IV	BBA 404 T	International Business Management	03
30.	IV	BBA 405 A T	Advertising & Promotion Management	04
31.	IV	BBA 406 A T/Pr	Digital Marketing + Computer/ online course (Project)	04
32.	IV	BBA 405 B T	Business Taxation	04
33.	IV	BBA 406 B T/Pr	Financial Services +Computer /Online course (Project)	04
34.	IV	BBA 405 C T	Human Resource Management Functions & Practices	04

35.	IV	BBA 406 C T/Pr	Employee Recruitment & Record Management + Computer/Online course (Project)	04
36.	IV	BBA 405 D T	Banking & Insurance Management	04
37.	IV	BBA 406 D T/Pr	Social Services and NGO Management + Online/Computer Course (Project)	04
38.	IV	BBA 407 T	Environmental Awareness	02
39.	V	BBA 501 T	Research Methodology	04
40.	V	BBA 502 T	Database Administration and Data Mining	04
41.	V	BBA 503 T	Business Ethics	04
42.	V	BBA 504 T	Management of Corporate SocialResponsibility	04
43.	V	BBA 505 A T	Marketing Environment Analysis and Strategies	03
44.	V	BBA 506 A T	Legal Aspects in Marketing Management	03
45.	V	BBA 507 A Pr	PROJECT	02
46.	V	BBA 505 B T	Analysis of Financial Statements	03
47.	V	BBA 506 B T	Legal Aspects of Finance & Security Laws	03
48.	V	BBA 507 B Pr	PROJECT	02
49.	V	BBA 505 C T	Cross Cultural HR & Industrial Relations	03
50.	V	BBA 506 C T	Cases in Human Resource Management	03
51.	V	BBA 507 C Pr	PROJECT	02
52.	V	BBA 505 D T	Health Care Management	03
53.	V	BBA 506 D T	Recent Trends & HR Accounting	03
54.	V	BBA 507 D Pr	PROJECT	02
55.	VI	BBA 601 T	Essentials of E - Commerce	04
56.	VI	BBA 602 T	Management Information System	04
57.	VI	BBA 603 T	Business Project Management	04
58.	VI	BBA 604 T	Management Of Innovations & Sustainability	04
59.	VI	BBA 605 A T	International Brand Management	03
60.	VI	BBA 606 A T	Cases in Marketing	03
61.	VI	BBA 607 A Pr	Project (Internship)	02
62.	VI	BBA 605 B T	Financial Management	03
63.	VI	BBA 606 B T	Cases in Finance	03
64.	VI	BBA 607 B Pr	Project (Internship)	02
65.	VI	BBA 605 C T	Global Human Resource Management	03
66.	VI	BBA 606 C T	Cases in Human Resource Management	03
67.	VI	BBA 607 C Pr	Project (Internship)	02
68.	VI	BBA 605 D T	Global Tourism & Hospitality Management	03
69.	VI	BBA 606 D T	Recent Trends in Service	03
70.	VI	BBA 607 D Pr	Project (Internship)	02

Faculty of Commerce and Management
B. B.A. Computer Applications (B. B. A. (C. A.))

Rules and Regulations

The B. B. A. (C. A.) programme is for 3 academic years and 6 semesters. The minimum total number of credits requirements for each programme is 140 credits and 08 additional credits.

B. B. A. C. A.: Programme Structure

Class	Semester	Courses	DSCC	AECC	DSEC	SEC	GE	Project	Total Credits
F.Y.	I	07	06		01	-	-	-	24
F.Y.	II	07	06		01	-	-	-	24
S.Y.	III	08	05	A-Moral and Ethical Reasoning B-		-	01		22
S.Y.	IV	08	05	A- B-Environmental Awareness		-	01		22
T.Y.	V	08	02	-	03	01	01	01	24
T.Y.	VI	08	02	-	03	01	01	01	24
Total		46	26	04	08	02	04	02	140

B. B. A. C. A.: Credit Distribution

Class	Semester	Courses	DSCC T	DSCC P	AECC T	AECC P	DSEC T	DSEC P	SEC T	SEC P	GE	Project	Total Credits
F.Y.	I	05T + 02 P	16	04	-	-	04	-	-	-	-	-	24
F.Y.	I	05T + 02 P	16	04	-	-	04	-	-	-	-	-	24
S.Y..	III	06T + 02 P	12	04	04	-	-	-	-	-	02	-	22
S.Y.	IV	06T + 02 P	12	04	04	-	-	-	-	-	02	-	22
T.Y.	V	05T + 02 P	04	02	-	-	08	02	04	-	02	02	24
T.Y.	VI	04T + 02 P	04	02	-	-	08	02	04	-	02	02	24
Total													140

Programme Structure and Credits
B.B.A.C.A.

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BBACA-101 T	FUNDAMENTALS OF INFORMATION TECHNOLOGY	04
2.	I	BBACA-102 T	'C' PROGRAMMING	04
3.	I	BBACA-103 T	FINANCIAL ACCOUNTING	04
4.	I	BBACA-104 T	BUSINESS STATISTICS	04
5.	I	BBACA-105 P	PRACTICAL- (BASED ON BBACA-101 T)	02
6.	I	BBACA-106 P	PRACTICAL –(BASED ON BBACA-102 T)	02
7.	I	BBACA-107 T(A)	PRINCIPLES OF MANAGEMENT	04
8.	I	BBACA-107 T(B)	PRINCIPLES OF MARKETING	04
9.	II	BBACA-201 T	DATABASE MANAGEMENT SYSTEM	04
10.	II	BBACA-202 T	WEB TECHNOLOGY (HTML, CSS, JS)	04
11.	II	BBACA-203 T	BUSINESS MATHEMATICS	04
12.	II	BBACA-204 T	ORGANIZATIONAL BEHAVIOUR & HUMAN RESOURCE MANAGEMENT	04
13.	II	BBACA-205 P	PRACTICAL (BASED ON - BBACA-201 T)	02
14.	II	BBACA-206 P	PRACTICAL (BASED ON - BBACA-202 T)	02
15.	II	BBACA-207 T(A)	DIGITAL MARKETING CONCEPTS	04
16.	II	BBACA-207 T(B)	E-COMMERCE CONCEPTS	04
17.	III	BBACA-301 T	RELATIONAL DATABASE MANAGEMENT SYSTEM	04
18.	III	BBACA-302 T	DATA STRUCTURE USING C	04
19.	III	BBACA-303 T	WEB DEVELOPMENT WITH PHP	04
20.	III	BBACA-304 P	PRACTICAL (BASED ON -BBACA-301 T)	02
21.	III	BBACA-305 P	PRACTICAL (BASED ON -BBACA-302 T & BBACA-303 T)	02
22.	III	BBACA-306 T	SOFTWARE ENGINEERING	02
23.	III	BBACA-307 T	BUSINESS COMMUNICATION	02
24.	III	BBACA-308 T	KNOWLEDGE MANAGEMENT	02
25.	IV	BBACA-401 T	DATA COMMUNICATION AND COMPUTER NETWORKING	04
26.	IV	BBACA-402 T	OBJECT ORIENTED CONCEPTS THROUGH C++	04
27.	IV	BBACA-403 T	ADVANCED WEB DEVELOPMENT	04
28.	IV	BBACA-404 P	PRACTICAL – BASED ON BBACA-402 T	02
29.	IV	BBACA-405 P	PRACTICAL – BASED ON BBACA-403 T	02
30.	IV	BBACA-406 T	OPERATING SYSTEM CONCEPTS	02
31.	IV	BBACA-407 T	ENVIRONMENTAL STUDIES	02
32.	IV	BBACA-408 T	BLOGGING TOOLS	02
33.	V	BBACA-501 T	PROGRAMMING IN CORE JAVA	04
34.	V	BBACA-502 P	PRACTICAL (BASED ON - BBACA-501 T)	02
35.	V	BBACA-503 T(A)	BIG DATA	04
36.	V	BBACA-503 T(B)	BLOCK CHAIN	04

37.	V	BBACA-504 T(A)	PYTHON	04
38.	V	BBACA-504 T(B)	NO-SQL	04
39.	V	BBACA-505 P	PRACTICAL (BASED ON - BBACA-503 & BBACA-504)	02
40.	V	BBACA-506 T	OBJECT ORIENTED SOFTWARE ENGINEERING	04
41.	V	BBACA-507 T	CYBER SECURITY	02
42.	V	BBACA-508 PR	SOFTWARE PROJECT	02
43.	VI	BBACA-601 T	ADVANCED JAVA	04
44.	VI	BBACA-602 P	PRACTICAL (BASED ON - BBACA-601 T)	02
45.	VI	BBACA-603 T(A)	SOFTWARE TESTING	04
46.	VI	BBACA-603 T(B)	ARTIFICIAL INTELLIGENCE CONCEPTS	04
47.	VI	BBACA-604 T(A)	DOT NET PROGRAMMING	04
48.	VI	BBACA-604 T(B)	ANDROID PROGRAMMING	04
49.	VI	BBACA-605 P	PRACTICAL (BASED ON - BBACA-603 T & BBACA-604 T)	02
50.	VI	BBACA-606 T	RECENT TRENDS IN INFORMATION TECHNOLOGY	04
51.	VI	BBACA-607 T	INTERPERSONEL SKILLS AND PROFESSIONAL ETHICS	02
52.	VI	BBACA-608 PR	SOFTWARE PROJECT	02

Faculty of Science and Technology
Bachelor of Science (B. Sc.)

Rules and Regulations:

The B.Sc. programme is for 3 academic years and 6 semesters. The minimum total number of credits required for each programme is 132 credits and 08 additional credits.

Bachelor of Science (B.Sc.)

Class	Semester	Subjects	Courses	DSCC	AECC	DSEC	SEC **	Total Credits
F.Y. B.Sc.	I	4	12	12		-	-	22
F.Y. B.Sc.	II	4	12	12		-	-	22
S.Y. B.Sc.	III	3	11	09	A-MIL B- Critical thinking / Scientific Temper	-	-	22
S.Y. B.Sc.	IV	3	11	09	A-MIL B-Environmental Awareness	-	-	22
T.Y. B.Sc.	V	01	11	-	-	06 T + 03 P	02 T/P	22
T.Y. B.Sc.	VI	01	11	-	-	06 T + 03 P	01T +01 Project*	22
Total								132

* Project: The Board of Studies of the respective department will decide the nature of the project i.e. individual project or group project. The BoS may replace the project with skill-based practical courses like software training, advanced instrumentation, etc.

** Skill Enhancement Courses (SEC): students are allowed to opt from any department of the faculty or the parent department. The examination cell shall design and implement the mechanism of credit transfer.

Credit Distribution

Class	Semester	Subjects	Courses	DSCC T	DSCC P	AECC T	AECC P	DSEC* T	DSEC* P	SEC** T	SEC** P	Project	Total Credits
F.Y. B.Sc.	I	4	08T + 04P	16	06								22
F.Y. B.Sc.	I	4	08T + 04P	16	06								22
S.Y. B.Sc.	III	3	08 T + 03 P	12	06	04							22
S.Y. B.Sc.	IV	3	08 T + 03 P	12	06	04							22
T.Y. B.Sc.	V	01	07 T + 04 P	-	-	-	-	12	06	02	02	-	22
T.Y. B.Sc.	VI	01	07 T + 03 P + 01 Project	-	-	-	-	12	06	02	-	02	22
Total													132

* Discipline Specific Elective Courses (DSEC): Board of studies will prepare the groups of 8 theory and 04 practical courses respectively from which students are allowed to take 06 theory and 3 practical courses.

**SEC and Project: Students are allowed to opt from any department of the faculty or the parent department. The examination cell shall design and implement the mechanism of credit transfer.

Subject Groups for admission

Division	Subjects	Intake
A	Physics, Chemistry, Mathematics, Statistics	120
B	Physics, Chemistry, Mathematics, Electronics	120
B	Physics, Mathematics, Electronics, Statistics	
C	Physics, Chemistry, Botany, Zoology	120
D	Chemistry, Botany, Zoology, Geography	120
D	Chemistry, Botany, Zoology, Microbiology	
D	Botany, Zoology, Environmental Science, Geography	
D	Chemistry, Botany, Microbiology, Environmental Science	
D	Chemistry, Zoology, Microbiology, Environmental Science	

Division A: Physics, Chemistry, Mathematics, Statistics

Course Type	Course Code	Course / Paper Title	Credit	CIA	End Sem Exam	Total
DSCC A-1	BSC-PH 101 T	Mechanics and Properties of Matter	2	15	35	50
DSCC A-2	BSC-PH 102 T	Physics Principles and Application	2	15	35	50
DSCC A-3 (Practical)	BSC-PH 103 P	Physics Laboratory- 1A	1.5	15	35	50
DSCC B-1	BSC-CH 101 T	Physical Chemistry	2	15	35	50
DSCC B-2	BSC-CH 102 T	Organic Chemistry	2	15	35	50
DSCC B-3 (Practical)	BSC-CH 103 P	Practical Course I	1.5	15	35	50
DSCC C-1	BSC-MT 101 T	Algebra	2	15	35	50
DSCC C-2	BSC-MT 102 T	Calculus	2	15	35	50
DSCC C-3 (Practical)	BSC-MT 103 P	Mathematics Practical using Maxima Software	1.5	15	35	50
DSCC D-1	BSC-ST 101 T	Descriptive Statistics using MS-Excel	2	15	35	50
DSCC D-2	BSC-ST 102 T	Introduction to Probability	2	15	35	50
DSCC D-3 (Practical)	BSC-ST 103 P	Practical Course I	1.5	15	35	50
UGAC-01	UGAC-01	Democracy, Election and Governance	2	0	50	Grade
Total			22	180	420	600

Division B: Physics, Chemistry, Mathematics, Electronics

Course Type	Course Code	Course / Paper Title	Credit	CIA	End Sem Exam	Total
DSCC A-1	BSC-PH 101 T	Mechanics and Properties of Matter	2	15	35	50
DSCC A-2	BSC-PH 102 T	Physics Principles and Application	2	15	35	50
DSCC A-3 (Practical)	BSC-PH 103 P	Physics Laboratory- 1A	1.5	15	35	50
DSCC B-1	BSC-CH 101 T	Physical Chemistry	2	15	35	50
DSCC B-2	BSC-CH 102 T	Organic Chemistry	2	15	35	50
DSCC B-3 (Practical)	BSC-CH 103 P	Practical Course I	1.5	15	35	50
DSCC C-1	BSC-MT 101 T	Algebra	2	15	35	50

DSCC C-2	BSC-MT 102 T	Calculus	2	15	35	50
DSCC C-3 (Practical)	BSC-MT 103 P	Mathematics Practical using Maxima Software	1.5	15	35	50
DSCC D-1	BSC-ES 101 T	Principles of Analog Electronics	2	15	35	50
DSCC D-2	BSC-ES 102 T	Principles of Digital Electronics	2	15	35	50
DSCC D-3 (Practical)	BSC-ES 103 P	Practical Course I	1.5	15	35	50
	UGAC-01	Democracy, Election and Governance	2	0	50	Grade
Total			22	180	420	600

Division B: Physics, Mathematics, Electronics, Statistics

Course Type	Course Code	Course / Paper Title	Credit	CIA	End Sem Exam	Total
DSCC A-1	BSC-PH 101 T	Mechanics and Properties of Matter	2	15	35	50
DSCC A-2	BSC-PH 102 T	Physics Principles and Application	2	15	35	50
DSCC A-3 (Practical)	BSC-PH 103 P	Physics Laboratory- 1A	1.5	15	35	50
DSCC B-1	BSC-MT 101 T	Algebra	2	15	35	50
DSCC B-2	BSC-MT 102 T	Calculus	2	15	35	50
DSCC B-3 (Practical)	BSC-MT 103 P	Mathematics Practical using Maxima Software	1.5	15	35	50
DSCC C-1	BSC-ES 101 T	Principles of Analog Electronics	2	15	35	50
DSCC C-2	BSC-ES 102 T	Principles of Digital Electronics	2	15	35	50
DSCC C-3 (Practical)	BSC-ES 103 P	Practical Course I	1.5	15	35	50
DSCC D-1	BSC-ST 101 T	Descriptive Statistics using MS-Excel	2	15	35	50
DSCC D-2	BSC-ST 102 T	Introduction to Probability	2	15	35	50
DSCC D-3 (Practical)	BSC-ST 103 P	Practical Course I	1.5	15	35	50
	UGAC-01	Democracy, Election and Governance	2	0	50	Grade
Total			22	180	420	600

Division C: Physics, Chemistry, Botany, Zoology						
Course Type	Course Code	Course / Paper Title	Credit	CIA	End Sem Exam	Total
DSCC A-1	BSC-PH 101 T	Mechanics and Properties of Matter	2	15	35	50
DSCC A-2	BSC-PH 102 T	Physics Principles and Application	2	15	35	50
DSCC A-3 (Practical)	BSC-PH 103 P	Physics Laboratory- 1A	1.5	15	35	50
DSCC B-1	BSC-CH 101 T	Physical Chemistry	2	15	35	50
DSCC B-2	BSC-CH 102 T	Organic Chemistry	2	15	35	50
DSCC B-3 (Practical)	BSC-CH 103 P	Practical Course I	1.5	15	35	50
DSCC C-1	BSC-BO101 T	Plant Life and Utilization I	2	15	35	50
DSCC C-2	BSC-BO102 T	Plant Morphology and Anatomy	2	15	35	50
DSCC C-3 (Practical)	BSC-BO103 P	Practicals based on BO 101 and BO 102	1.5	15	35	50
DSCC D-1	BSC-ZO-101 T	Animal Systematics & Diversity-I	2	15	35	50
DSCC D-2	BSC-ZO-102 T	Animal Ecology	2	15	35	50
DSCC D-3 (Practical)	BSC-ZO-103 P	Zoology Practical Paper-I	1.5	15	35	50
	UGAC-01	Democracy, Election and Governance	2	0	50	Grade
Total			22	180	420	600

Division D: Chemistry, Botany, Zoology, Geography						
Course Type	Course Code	Course / Paper Title	Credit	CIA	End Sem Exam	Total
DSCC A-1	BSC-CH 101 T	Physical Chemistry	2	15	35	50
DSCC A-2	BSC-CH 102 T	Organic Chemistry	2	15	35	50
DSCC A-3 (Practical)	BSC-CH 103 P	Practical Course I	1.5	15	35	50
DSCC B-1	BSC-BO101 T	Plant Life and Utilization I	2	15	35	50
DSCC B-2	BSC-BO102 T	Plant Morphology and Anatomy	2	15	35	50
DSCC B-3 (Practical)	BSC-BO103 P	Practicals based on BO 101 and BO 102	1.5	15	35	50
DSCC C-1	BSC-ZO-101 T	Animal Systematics & Diversity-I	2	15	35	50

DSCC C-2	BSC-ZO-102 T	Animal Ecology	2	15	35	50
DSCC C-3 (Practical)	BSC-ZO-103 P	Zoology Practical Paper-I	1.5	15	35	50
DSCC D-1	BSC-GG 101 T	Fundamentals of Geomorphology	2	15	35	50
DSCC D-2	BSC-GG 102 T	Geography of Atmosphere and Hydrosphere	2	15	35	50
DSCC D-3 (Practical)	BSC-GG 103 P	Geography of Atmosphere and Hydrosphere	1.5	15	35	50
	UGAC-01	Democracy, Election and Governance	2	0	50	Grade

Division D: Chemistry, Botany, Zoology, Microbiology						
Course Type	Course Code	Course / Paper Title	Credit	CIA	End Sem Exam	Total
DSCC A-1	BSC-CH 101 T	Physical Chemistry	2	15	35	50
DSCC A-2	BSC-CH 102 T	Organic Chemistry	2	15	35	50
DSCC A-3 (Practical)	BSC-CH 103 P	Practical Course I	1.5	15	35	50
DSCC B-1	BSC-BO101 T	Plant Life and Utilization I	2	15	35	50
DSCC B-2	BSC-BO102 T	Plant Morphology and Anatomy	2	15	35	50
DSCC B-3 (Practical)	BSC-BO103 P	Practicals based on BO 101 and BO 102	1.5	15	35	50
DSCC C-1	BSC-ZO-101 T	Animal Systematics & Diversity-I	2	15	35	50
DSCC C-2	BSC-ZO-102 T	Animal Ecology	2	15	35	50
DSCC C-3 (Practical)	BSC-ZO-103 P	Zoology Practical Paper-I	1.5	15	35	50
DSCC D-1	BSC-MR 101 T	Introduction to Microbiology	2	15	35	50
DSCC D-2	BSC-MR 102 T	Introduction to Microbiology	2	15	35	50
DSCC D-3 (Practical)	BSC-MR 103 P	Practical Course based on theory paper I and II	1.5	15	35	50
	UGAC-01	Democracy, Election and Governance	2	0	50	Grade
Total			22	180	420	600

Division D: Botany, Zoology, Environmental Science,Geography

Course Type	Course Code	Course / Paper Title	Credit	CIA	End Sem Exam	Total
DSCC A-1	BSC-CH 101 T	Physical Chemistry	2	15	35	50
DSCC A-2	BSC-CH 102 T	Organic Chemistry	2	15	35	50
DSCC A-3 (Practical)	BSC-CH 103 P	Practical Course I	1.5	15	35	50
DSCC B-1	BSC-BO101 T	Plant Life and Utilization I	2	15	35	50
DSCC B-2	BSC-BO102 T	Plant Morphology and Anatomy	2	15	35	50
DSCC B-3 (Practical)	BSC-BO103 P	Practicals based on BO 101 and BO 102	1.5	15	35	50
DSCC C-1	BSC-ZO-101 T	Animal Systematics & Diversity-I	2	15	35	50
DSCC C-2	BSC-ZO-102 T	Animal Ecology	2	15	35	50
DSCC C-3 (Practical)	BSC-ZO-103 P	Zoology Practical Paper-I	1.5	15	35	50
DSCC D-1	BSC-EN101 T	Fundamental of Environmental Biology	2	15	35	50
DSCC D-2	BSC-EN102 T	Fundamental of Environmental Chemistry & Physics	2	15	35	50
DSCC D-3 (Practical)	BSC-EN103 P	Environmental Sciences Practical based on EN-101 and EN-102	1.5	15	35	50
	UGAC-01	Democracy, Election and Governance	2	0	50	Grade

Division D: Chemistry, Botany, Microbiology, Environmental Science

Course Type	Course Code	Course / Paper Title	Credit	CIA	End Sem Exam	Total
DSCC A-1	BSC-CH 101 T	Physical Chemistry	2	15	35	50
DSCC A-2	BSC-CH 102 T	Organic Chemistry	2	15	35	50
DSCC A-3 (Practical)	BSC-CH 103 P	Practical Course I	1.5	15	35	50
DSCC B-1	BSC-BO101 T	Plant Life and Utilization I	2	15	35	50
DSCC B-2	BSC-BO102 T	Plant Morphology and Anatomy	2	15	35	50
DSCC B-3 (Practical)	BSC-BO103 P	Practicals based on BO 101 and BO 102	1.5	15	35	50

DSCC C-1	BSC-MR 101 T	Introduction to Microbiology	2	15	35	50
DSCC C-2	BSC-MR 102 T	Introduction to Microbiology	2	15	35	50
DSCC C-3 (Practical)	BSC-MR 103 P	Practical Course based on theory paper I and II	1.5	15	35	50
DSCC D-1	BSC-EN101 T	Fundamental of Environmental Biology	2	15	35	50
DSCC D-2	BSC-EN102 T	Fundamental of Environmental Chemistry & Physics	2	15	35	50
DSCC D-3 (Practical)	BSC-EN103 P	Environmental Sciences Practical based on EN-101 and EN-102	1.5	15	35	50
	UGAC-01	Democracy, Election and Governance	2	0	50	Grade

Division D: Chemistry, Zoology, Microbiology, Environmental Science

Course Type	Course Code	Course / Paper Title	Credit	CIA	End Sem Exam	Total
DSCC A-1	BSC-CH 101 T	Physical Chemistry	2	15	35	50
DSCC A-2	BSC-CH 102 T	Organic Chemistry	2	15	35	50
DSCC A-3 (Practical)	BSC-CH 103 P	Practical Course I	1.5	15	35	50
DSCC B-1	BSC-ZO-101 T	Animal Systematics & Diversity-I	2	15	35	50
DSCC B-2	BSC-ZO-102 T	Animal Ecology	2	15	35	50
DSCC B-3 (Practical)	BSC-ZO-103 P	Zoology Practical Paper-I	1.5	15	35	50
DSCC C-1	BSC-MR 101 T	Introduction to Microbiology	2	15	35	50
DSCC C-2	BSC-MR 102 T	Introduction to Microbiology	2	15	35	50
DSCC C-3 (Practical)	BSC-MR 103 P	Practical Course based on theory paper I and II	1.5	15	35	50
DSCC D-1	BSC-EN101 T	Fundamental of Environmental Biology	2	15	35	50
DSCC D-2	BSC-EN102 T	Fundamental of Environmental Chemistry & Physics	2	15	35	50
DSCC D-3 (Practical)	BSC-EN103 P	Environmental Sciences Practical based on EN-101 and EN-102	1.5	15	35	50
	UGAC-01	Democracy, Election and Governance	2	0	50	Grade

Programme Structure and Credits
B. Sc. Geography

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BSC-GG 101 T	Fundamentals of Geomorphology	02
2.	I	BSC-GG 102 T	Geography of Atmosphere and Hydrosphere	02
3.	I	BSC-GG 103 P	Scale and Map Projection	1.5
4.	II	BSC-GG 201 T	Human Geography	02
5.	II	BSC-GG 202 T	Population and Settlement Geography	02
6.	II	BSC-GG 203 P	Practicals in Human Geography	1.5
7.	III	BSC-GG 301 T	Environmental Geography – I	02
8.	III	BSC-GG 302 T	Physical Geography of Maharashtra	02
9.	III	BSC-GG 303 P	Surveying – I	02
10.	IV	BSC-GG 401 T	Environmental Geography – II	02
11.	IV	BSC-GG 402 T	Human Geography of Maharashtr	02
12.	IV	BSC-GG 403 P	Human Geography of Maharashtr	02

Programme Structure and Credits
B. Sc. Physics

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BSC-PH 101 T	Mechanics and Properties of Matter	02
2.	I	BSC-PH 102 T	Physics Principles and Applications	02
3.	I	BSC-PH 103 P	Physics Laboratory- 1A	1.5
4.	II	BSC-PH 201 T	Heat and Thermodynamics	02
5.	II	BSC-PH 202 T	Electricity and Magnetism	02
6.	II	BSC-PH 203 P	Physics Laboratory- 1B	1.5
7.	III	BSC-PH 301 T	Mathematical Methods in Physics I	02
8.	III	BSC-PH 302 T	Mathematical Methods in Physics I or Instrumentation I	02
9.	III	BSC-PH 303 P	Physics Laboratory-2A	02
10.	IV	BSC-PH 401 T	Oscillations, Waves and Sound	02
11.	IV	BSC-PH 402 T	Optics	02
12.	IV	BSC-PH 403 P	Physics Laboratory-2B	02
13.	V	BSC-PH 501 T	Mathematical Methods in Physics II	02
14.	V	BSC-PH 502 T	Electrodynamics	02
15.	V	BSC-PH 503 T	Classical Mechanics	02
16.	V	BSC-PH 504 T	Atomic and Molecular Physics	02
17.	V	BSC-PH 505 T	Computational Physics	02
18.	V	BSC-PH 506 T (X)	Elective I	02
19.	V	BSC-PH 507 P	Physics Laboratory-3A	02
20.	V	BSC-PH 508 P	Physics Laboratory-3B	02
21.	V	BSC-PH 509 P	Project 1	02
22.	V	BSC-PH 510 T (X)	Skill Enhancement Course – I T	02
23.	V	BSC-PH 511 P (X)	Skill Enhancement Course – I P	02
24.	VI	BSC-PH 601 T	Solid State Physics	02
25.	VI	BSC- PH 602 T	Quantum Mechanics	02
26.	VI	BSC- PH 603 T	Thermodynamics and Statistical Physics	02
27.	VI	BSC- PH 604 T	Nuclear Physics	02
28.	VI	BSC- PH 605 T (A)	Electronics II or Advanced Electronics	02
29.	VI	BSC- PH 606 T (X)	Elective II	02
30.	VI	BSC- PH 606 T (X)	Physics Laboratory-4A	02
31.	VI	BSC- PH 608 P	Physics Laboratory-4B	02
32.	VI	BSC- PH 609 P	Project 2	02
33.	VI	BSC- PH 610 T (X)	Skill Enhancement Course – II T	02
34.	VI	BSC- PH 611 P (X)	Skill Enhancement Course – II P	02

Programme Structure and Credits
B. Sc. Chemistry

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BSC-CH 101 T	Physical and Analytical Chemistry I	02
2.	I	BSC-CH 102 T	Organic and Inorganic Chemistry I	02
3.	I	BSC-CH 103 P	Chemistry Practical I	1.5
4.	II	BSC-CH 201 T	Physical and Analytical Chemistry II	02
5.	II	BSC-CH 202 T	Organic and Inorganic Chemistry II	02
6.	II	BSC-CH 203 P	Chemistry Practical II	1.5
7.	III	BSC-CH 301 T	Physical and Analytical Chemistry III	02
8.	III	BSC-CH 302 T	Organic and Inorganic Chemistry III	02
9.	III	BSC-CH 303 P	Chemistry Practical III	02
10.	IV	BSC-CH 401 T	Physical and Analytical Chemistry IV	02
11.	IV	BSC-CH 402 T	Organic and Inorganic Chemistry IV	02
12.	IV	BSC-CH 403 P	Chemistry Practical IV	02
13.	V	BSC-CH 501 T	Physical Chemistry - I	02
14.	V	BSC-CH 502 T	Inorganic Chemistry-I	02
15.	V	BSC-CH 503 T	Organic Chemistry - I	02
16.	V	BSC-CH 504 T	Analytical Chemistry -I	02
17.	V	BSC-CH 505 T	Industrial Chemistry	02
18.	V	BSC-CH 506 T	Chemistry of Biomolecules	02
19.	V	BSC-CH 507 P	Physical Chemistry Practical -I	02
20.	V	BSC-CH 508 P	Inorganic Chemistry Practical -I	02
21.	V	BSC-CH 509 P	Organic Chemistry Practical - I	02
22.	V	BSC-CH 510 T	Medicinal Chemistry OR Polymer Chemistry	02
23.	V	BSC-CH 511 P	Environmental Chemistry OR Chemo Informatics	02
24.	VI	BSC-CH 601 T	Physical Chemistry - II	02
25.	VI	BSC- CH 602 T	Physical Chemistry - III	02
26.	VI	BSC- CH 603 T	Inorganic Chemistry -II	02
27.	VI	BSC- CH 604 T	Inorganic Chemistry -III	02
28.	VI	BSC- CH 605 T	Inorganic Chemistry -III	02
29.	VI	BSC- CH 606 T	Organic Chemistry - III	02
30.	VI	BSC- CH 607 T	Physical Chemistry Practical -II	02
31.	VI	BSC- CH 608 P	Inorganic Chemistry Practical - II	02
32.	VI	BSC- CH 609 P	Organic Chemistry Practical - II	02
33.	VI	BSC- CH 610 T	Analytical Chemistry - II OR Chemistry of Soil and Agrochemicals OR Forensic Chemistry	02
34.	VI	BSC- CH 611 P	Project OR Cosmetics and Perfumes OR Dairy Chemistry	02

Programme Structure and Credits
B. Sc. Botany

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BSC-BO 101 T	Plant Life and Utilization I	02
2.	I	BSC-BO 102 T	Plant Morphology and Anatomy	02
3.	I	BSC-BO 103 P	Practicals based on BO 101 and BO 102	1.5
4.	II	BSC-BO 201 T	Plant Life and Utilization II	02
5.	II	BSC-BO 202 T	Principles of Plant Science	02
6.	II	BSC-BO 203 P	Practicals based on BO 201 and BO 202	1.5
7.	III	BSC-BO 301 T	Taxonomy of Angiosperms and Plant Ecology	02
8.	III	BSC-BO 302 T	Plant Physiology	02
9.	III	BSC-BO 303 P	Practicals based on BO 301 and BO 302	02
10.	IV	BSC-BO 401 T	Plant Anatomy and Embryology	02
11.	IV	BSC-BO 402 T	Plant Biotechnology	02
12.	IV	BSC-BO 403 P	Practicals based on BO 401 and BO 402	02
13.	V	BSC-BO 501 T	Algae and Fungi	02
14.	V	BSC-BO 502 T	Archegoniate	02
15.	V	BSC-BO 503 T	Spermatophyta and Paleobotany	02
16.	V	BSC-BO 504 T	Plant Ecology	02
17.	V	BSC-BO 505 T	Cell and Molecular Biology	02
18.	V	BSC-BO 506 T	Genetics	02
19.	V	BSC-BO 507 P	Botany Practical I Based on BO 501 and BO 502	02
20.	V	BSC-BO 508 P	Botany Practical II Based on BO 503 and BO 504	02
21.	V	BSC-BO 509 P	Botany Practical III Based on BO 505 and BO 506	02
22.	V	BSC-BO 510 T	Medicinal Botany	02
23.	V	BSC-BO 511 P	Practicals based on BO 510	02
24.	VI	BSC-BO 601 T	Plant Physiology and Metabolism	02
25.	VI	BSC- BO 602 T	Biochemistry	02
26.	VI	BSC- BO 603 T	Plant Pathology	02
27.	VI	BSC- BO 604 T	Evolution and population Genetics	02
28.	VI	BSC- BO 605 T	Advanced Plant Biotechnology	02
29.	VI	BSC- BO 606 T	Plant Breeding and Seed Technology	02
30.	VI	BSC- BO 607 T	Botany Practical I Based on BO 601 and BO 602	02
31.	VI	BSC- BO 608 P	Botany Practical II Based on BO 603 and BO 604	02
32.	VI	BSC- BO 609 P	Botany Practical III Based on BO 605 and BO 606	02
33.	VI	BSC- BO 610 T	Nursery and Gardening Management	02
34.	VI	BSC- BO 611 P	Project/ Practicals based on Advanced Instrumentation in Botany	02

Programme Structure and Credits
B. Sc. Zoology

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BSC-ZO 101 T	Animal Systematics & Diversity- I	02
2.	I	BSC-ZO 102 T	Animal Ecology	02
3.	I	BSC-ZO 103 P	Zoology Practical Paper-I	1.5
4.	II	BSC-ZO 201 T	Animal Systematics & Diversity- II	02
5.	II	BSC-ZO 202 T	Cell Biology	02
6.	II	BSC-ZO 203 P	Zoology Practical Paper-II	1.5
7.	III	BSC-ZO 301 T	Animal Systematics & Diversity-III	02
8.	III	BSC-ZO 302 T	Genetics	02
9.	III	BSC-ZO 303 P	Zoology Practical Paper- III	02
10.	IV	BSC-ZO 401 T	Animal Systematics & Diversity-IV	02
11.	IV	BSC-ZO 402 T	Biological Techniques	02
12.	IV	BSC-ZO 403 P	Zoology Practical Paper- IV	02
13.	V	BSC-ZO 501 T	Zoology Practical Paper- IV	02
14.	V	BSC-ZO 502 T	Mammalian Histology	02
15.	V	BSC-ZO 503 T	Applied Zoology- I	02
16.	V	BSC-ZO 504 T	Applied Zoology- I	02
17.	V	BSC-ZO 505 T	Developmental Biology	02
18.	V	BSC-ZO 506 T	Developmental Biology	02
19.	V	BSC-ZO 507 P	Zoology Practical Paper- V	02
20.	V	BSC-ZO 508 P	Zoology Practical Paper- VI	02
21.	V	BSC-ZO 509 P	Zoology Practical Paper- VII	02
22.	V	BSC-ZO 510 T	Computer Applications in Biology	02
23.	V	BSC-ZO 511 P	Zoology Practical Paper- VIII	02
24.	VI	BSC-ZO 601 T	Animal Biology- II	02
25.	VI	BSC- ZO 602 T	Animal Physiology	02
26.	VI	BSC- ZO 603 T	Applied Zoology- II	02
27.	VI	BSC- ZO 604 T	Molecular Biology	02
28.	VI	BSC- ZO 605 T	Evolutionary Biology	02
29.	VI	BSC- ZO 606 T	Entomology	02
30.	VI	BSC- ZO 607 T	Zoology Practical Paper- IX	02
31.	VI	BSC- ZO 608 P	Zoology Practical Paper- X	02
32.	VI	BSC- ZO 609 P	Zoology Practical Paper- XI	02
33.	VI	BSC- ZO 610 T	Recombinant DNA Technology	02
34.	VI	BSC- ZO 611 P	Project	02

Programme Structure and Credits
B. Sc. Microbiology

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BSC-MR 101 T	Introduction to Microbiology	02
2.	I	BSC-MR 102 T	Basic Techniques in Microbiology	02
3.	I	BSC-MR 103 P	Practical Course based on Theory Paper I and II	1.5
4.	II	BSC-MR 201 T	Cell Biology of Microorganisms	02
5.	II	BSC-MR 202 T	Microbial Cultivation and Growth	02
6.	II	BSC-MR 203 P	Practical Course based on Theory Paper I and II	1.5
7.	III	BSC-MR 301 T	Medical Microbiology and Immunology	02
8.	III	BSC-MR 302 T	Bacterial Physiology and Fermentation Technology	02
9.	III	BSC-MR 303 P	Practical Course based on Theory Paper I and II	02
10.	IV	BSC-MR 401 T	Bacterial Genetics	02
11.	IV	BSC-MR 402 T	Air, Water & Soil Microbiology	02
12.	IV	BSC-MR 403 P	Practical Course based on Theory Paper I and II	02
13.	V	BSC-MR 501 T	Medical Microbiology I	02
14.	V	BSC-MR 502 T	Immunology I	02
15.	V	BSC-MR 503 T	Enzymology	02
16.	V	BSC-MR 504 T	Genetics and Molecular Biology I	02
17.	V	BSC-MR 505 T	Fermentation Technology I	02
18.	V	BSC-MR 506 T	Applied Microbiology I	02
19.	V	BSC-MR 507 P	Nanotechnology	02
20.	V	BSC-MR 508 P	Practical Course I- Diagnostic Microbiology and Immunology	02
21.	V	BSC-MR 509 P	Practical Course IIBiochemistry and Molecular Biology	02
22.	V	BSC-MR 510 T	Practical Course IIIFermentation Technology and Applied Microbiology	02
23.	V	BSC-MR 511 P	Practical Course based on Nanotechnology	02
24.	VI	BSC-MR 601 T	Medical Microbiology II	02
25.	VI	BSC- MR 602 T	Immunology II	02
26.	VI	BSC- MR 603 T	Metabolism	02
27.	VI	BSC- MR 604 T	Genetics and Molecular Biology II	02
28.	VI	BSC- MR 605 T	Fermentation Technology II	02
29.	VI	BSC- MR 606 T	Applied Microbiology II	02
30.	VI	BSC- MR 607 T	Molecular and Biochemical Techniques	02
31.	VI	BSC- MR 608 P	Practical Course I- Diagnostic Microbiology and Immunology	02
32.	VI	BSC- MR 609 P	Practical Course IIBiochemistry and Molecular Biology	02
33.	VI	BSC- MR 610 T	Practical Course IIIFermentation Technology and Applied Microbiology	02
34.	VI	BSC- MR 611 P	Project /Practical course based on Molecular and Biochemical Techniques	02

Programme Structure and Credits
Environmental Science

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	EN-101 T	Fundamental of Environmental Biology	2
2.	I	EN-102 T	Fundamental of Environmental Chemistry & Physics	2
3.	I	EN-103 P	Environmental Sciences Practical based on EN-101 and EN-102	1.5
4.	II	EN-201	Fundamental of Environmental Geosciences	02
5.	II	EN-202	Fundamental of Environmental Pollution	02
6.	II	EN-203	Practical based on EN- 201 and EN-202	1.5
7.	III	EN-301	Ecology & Ecosystem	2
8.	III	EN-302	Natural Resource Conservation and Management	2
9.	III	EN-303	Environmental Sciences Practical based on EN-301 and EN-302	2
10.	IV	EN-401	Biological Diversity & its Conservation	2
11.	IV	EN-402	Environmental Pollution Control Technology	2
12.	IV	EN-403	Environmental Sciences Practical based on EN-401and EN-402	2
13.	V	EN501 T	Terrestrial Ecosystem and Management	2
14.	V	EN502T	Wildlife biology and Management	2
15.	V	EN503T	Water and Soil quality	2
16.	V	EN504T	Atmoshpheric and Global Climate change	2
17.	V	EN505T	Environmental legislation and policy	2
18.	V	EN506T	Environmental Biotechnology-I	2
19.	V	EN507P	Practical based on EN-501 and EN-502	2
20.	V	EN508P	Practical based on EN-503 and EN-504	2
21.	V	EN509P	Practical based on EN-505 and EN-506	2
22.	V	EN510T	Remote sensing, GIS and modeling	2
23.	V	EN511P	Practical based on EN-503 and EN-504	2
24.	VI	BSC-EN601T	Aquatic Ecosystem and Management	2
25.	VI	BSC-EN602 T	Nature Conservation	2
26.	VI	BSC-EN603 T	Air and Noise quality	2
27.	VI	BSC-EN604T	Issues in Environmental Science	2
28.	VI	BSC-EN605T	Environmental governance: EMS, EIA & ISO14000	2
29.	VI	BSC-EN606T	Environmental Biotechnology-II	2
30.	VI	BSC-EN607P	Practical based on EN-601 and EN-602	2
31.	VI	BSC-EN608P	Practical based on EN-603 and EN-604	2
32.	VI	BSC-EN609P	Practical based on EN-605 and EN-606	2
33.	VI	BSC-EN610T	Solid Waste Management	2

| 34. | VI | BSC-EN611 PR | Project | 2 |

Programme Structure and Credits
B. Sc. Mathematics

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BSC-MT 101 T	Algebra	02
2.	I	BSC-MT 102 T	Calculus -I	02
3.	I	BSC-MT 103 P	Mathematics Practical using maxima software	1.5
4.	II	BSC-MT 201 T	Analytical Geometry	02
5.	II	BSC-MT 202 T	Calculus-II	02
6.	II	BSC-MT 203 P	Mathematics Practical using maxima software	1.5
7.	III	BSC-MT 301 T	Calculus of several variables	02
8.	III	BSC-MT 302 T	Numerical methods and its applications	02
9.	III	BSC-MT 303 P	Mathematics Practical based on 301 and 302	02
10.	IV	BSC-MT 401 T	Linear Algebra	02
11.	IV	BSC-MT 402 T	Vector Calculus	02
12.	IV	BSC-MT 403 P	Mathematics Practical based on 401 and 402	02
13.	V	BSC-MT 501 T	Metric Spaces	02
14.	V	BSC-MT 502 T	Real Analysis	02
15.	V	BSC-MT 503 T	Group Theory	02
16.	V	BSC-MT 504 T	Ordinary Differential Equations	02
17.	V	BSC-MT 505 T	Operations research	02
18.	V	BSC-MT 506 T	Number Theory	02
19.	V	BSC-MT 507 P	Practical Lab Course -01	02
20.	V	BSC-MT 508 P	Practical Lab Course -02	02
21.	V	BSC-MT 509 P	Practical Lab Course -03	02
22.	V	BSC-MT 510 T	Programming in Python -I	02
23.	V	BSC-MT 511 P	Sage/geoGebra	02
24.	VI	BSC-MT 601 T	Complex Analysis	02
25.	VI	BSC- MT 602 T	Real Analysis -II	02
26.	VI	BSC- MT 603 T	Ring Theory	02
27.	VI	BSC- MT 604 T	Partial Differential Equations	02
28.	VI	BSC- MT 605 T	Optimization Techniques	02
29.	VI	BSC- MT 606 T	Computational Geometry	02
30.	VI	BSC- MT 607 T	Practical Lab Course -01	02
31.	VI	BSC- MT 608 P	Practical Lab Course -02	02
32.	VI	BSC- MT 609 P	Practical Lab Course -03	02
33.	VI	BSC- MT 610 T	Programming in Python -II	02
34.	VI	BSC- MT 611 P	Mathematics inot LaTeX	02

Programme Structure and Credits
B. Sc. Statistics

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BSC-ST 101 T	Descriptive Statistics-I Using MS-Excel	02
2.	I	BSC-ST 102 T	Introduction to Probability	02
3.	I	BSC-ST 103 P	Practical (Based on MS-Excel)-I	1.5
4.	II	BSC-ST 201 T	Descriptive Statistics-II Using R	02
5.	II	BSC-ST 202 T	Discrete Probability Distributions	02
6.	II	BSC-ST 203 P	Discrete Probability Distributions	1.5
7.	III	BSC-ST 301 T	Bivariate Discrete Probability Distributions	02
8.	III	BSC-ST 302 T	Continuous Probability Distributions	02
9.	III	BSC-ST 303 P	Practical (Based on R) - III	02
10.	IV	BSC-ST 401 T	Sampling Distributions	02
11.	IV	BSC-ST 402 T	Large and Small Sample Statistical tests using R	02
12.	IV	BSC-ST 403 P	Practical (Based on R) - IV	02
13.	V	BSC-ST 501 T	Probability Distributions	02
14.	V	BSC-ST 502 T	Theory of Estimation	02
15.	V	BSC-ST 503 T	Sampling Theory and Methods	02
16.	V	BSC-ST 504 T	Design of Experiment Using SPSS	02
17.	V	BSC-ST 505 T	Regression Analysis Using SPSS	02
18.	V	BSC-ST 506 T	Linear Algebra Using R	02
19.	V	BSC-ST 507 P	Practical-V (Based on BSC-ST-501 T and BSCST-502 T)	02
20.	V	BSC-ST 508 P	Practical-VI (Based on BSC-ST-503 T and BSC-ST-504T)	02
21.	V	BSC-ST 509 P	Practical-VII (Based on BSC-ST-505 and BSC-ST-506)	02
22.	V	BSC-ST 510 T	Python Programming	02
23.	V	BSC-ST 511 P	Operations Research Or Statistics In Agriculture	02
24.	VI	BSC-ST 601 T	Theory of Testing of Hypothesis	02
25.	VI	BSC- ST 602 T	Categorical Data Analysis Using SPSS	02
26.	VI	BSC- ST 603 T	Introduction to Multivariate Analysis	02
27.	VI	BSC- ST 604 T	Introduction to Multivariate Analysis	02
28.	VI	BSC- ST 605 T	Time Series Using SPSS	02
29.	VI	BSC- ST 607 T	Introduction to Stochastic Process	02
30.	VI	BSC- ST 606 T	Practical-VIII 02 3 (Based on BSC-ST-601 T and BSC-ST-602 T)	02
31.	VI	BSC- ST 608 P	Practical-IX (Based on BSC-ST-603 T and BSC-ST-604 T)	02
32.	VI	BSC- ST 609 P	Project	02
33.	VI	BSC- ST 610 T	Data Visualization Using Tableau software	02

| 34. | VI | BSC- ST 611 P | Basics of Data Science | 02 |

Programme Structure and Credits
B. Sc. Electronics

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BSC-ES 101 T	Principles of Analog Electronics	02
2.	I	BSC-ES 102 T	Principles of Digital Electronics	02
3.	I	BSC-ES 103 P	Practical Course - I	1.5
4.	II	BSC-ES 201 T	Analog Device Applications	02
5.	II	BSC-ES 202 T	Digital Circuits and Computer Organization	02
6.	II	BSC-ES 203 P	Practical Course - II	1.5
7.	III	BSC-ES 301 T	Communication Electronics	02
8.	III	BSC-ES 302 T	Digital System Design	02
9.	III	BSC-ES 303 P	Practical Course - I	02
10.	IV	BSC-ES 401 T	Analog Circuit Design	02
11.	IV	BSC-ES 402 T	Fundamentals of Embedded System Design	02
12.	IV	BSC-ES 403 P	Practical Course – II	02
13.	V	BSC-ES 501 T	Digital System Design using Verilog	02
14.	V	BSC-ES 502 T	Microcontrollers	02
15.	V	BSC-ES 503 T	Analog Circuit Design and Applications	02
16.	V	BSC-ES 504 T	Process Automation	02
17.	V	BSC-ES 505 T	'C' programming	02
18.	V	BSC-ES 506 T	Fundamentals of Optical Fiber Communication	02
19.	V	BSC-ES 507 P	Practical Course – I	02
20.	V	BSC-ES 508 P	Practical Course – I	02
21.	V	BSC-ES 509 P	Project Course – I	02
22.	V	BSC-ES 510 T	Electronic Design Automation Tools	02
23.	V	BSC-ES 511 P	Practical Course – III	02
24.	VI	BSC-ES 601 T	Modern Communication Systems	02
25.	VI	BSC- ES 602 T	Embedded System Design	02
26.	VI	BSC- ES 603 T	Power Electronics	02
27.	VI	BSC- ES 604 T	Sensors and Systems	02
28.	VI	BSC- ES 605 T	Python Programming	02
29.	VI	BSC- ES 606 T	Python Programming	02
30.	VI	BSC- ES 607 T	Practical Course – IV	02
31.	VI	BSC- ES 608 P	Practical Course – V	02
32.	VI	BSC- ES 609 P	Project Course – II	02
33.	VI	BSC- ES 610 T	PLC and its Applications	02
34.	VI	BSC- ES 611 P	PLC and its Applications	02

Faculty of Science and Technology
B.Sc. Computer Science

Rules and Regulations

The B.Sc. Computer Science, B.Sc. Animation, B. C. A. (Science), B.Sc. Biotechnology, B.Sc. Wine Technology programmes are for 3 academic years and 6 semesters. The minimum total number of credits requirements for each programme is 140 credits and 08 additional credits.

Bachelor of Science (B.Sc.)

Class	Semester	Subjects	Courses	DSCC	AECC	DSEC*	SEC**	GE	Project**	Total Credits
F.Y. B.Sc.	I	1	08T + 04P	12		-		-		22
F.Y. B.Sc.	II	1	08T + 04P	12		-		-		22
S.Y. B.Sc.	III	1	09 T + 04 P	09	A-MIL B- Critical thinking / Scientific Temper	-		02		26
S.Y. B.Sc.	IV	1	09 T + 04 P	09	A-MIL B- Environmental Awareness	-		02		26
T.Y. B.Sc.	V	1	07 T +04 P	-	-	06 T + 03 P	01 T + 01 P			22
T.Y. B.Sc.	VI	1	07 T +04 P	-	-	06 T + 03 P	01T		01 Project	22
Total										140

** SEC and Project: students are allowed to opt from any department of the college or the same department. The examination cell shall design and implement the mechanism of credit transfer.

* DSEC: Board of studies will prepare the groups of 08 Theory and 04 practical courses from which the students can opt for any 06 theory and 03 practicals courses respectively

Credit Distribution

Class	Semester	Subjects	Courses	DSCC T	DSCC P	AECC T	AECC P	DSEC T	DSEC P	SEC** T	SEC** P	GE T	GE P	Project**	Total Credits
F.Y. B.Sc.	I	01	08T + 04P	16	06										22
F.Y. B.Sc.	I	01	08T + 04P	16	06										22
S.Y. B.Sc.	III	01	09 T + 04 P	12	06	04						02	02		26
S.Y. B.Sc.	IV	01	09T + 04 P	12	06	04						02	02		26
T.Y. B.Sc.	V	01	07 T + 04P	-	-	-	-	12	06	02	02			-	22
T.Y. B.Sc.	VI	01	07 T + 04 P	-	-	-	-	12	06	02	-			02	22
Total															140

Programme Structure and Credits
B. Sc. Computer Science

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BSC-CS 101 T	Problem Solving using Computer and 'C' Programming	02
2.	I	BSC-CS 102 T	Database Management Systems	02
3.	I	BSC-CS 103 T	Practical course based on CS101 and CS102	1.5
4.	I	BSC-CS 104 T	Matrix Algebra	02
5.	I	BSC-CS 105 T	Discrete Mathematics	02
6.	I	BSC-CS 106 T	Mathematics Practical-I	1.5
7.	I	BSC-CS 107 T	Principles of Analog Electronics	02
8.	I	BSC-CS 108 T	Principles of Digital Electronics	02
9.	I	BSC-CS 109 P	Electronics Practical Course - I	02
10.	I	BSC-CS 110 P	Descriptive Statistics-I	02
11.	I	BSC-CS 111 P	Mathematical Statistics	02
12.	I	BSC-CS 112 P	Statistics-Practical - I	02
13.	II	BSC-CS 201 T	Advanced 'C' Programming	02
14.	II	BSC-CS 202 T	Relational Database Management Systems	02
15.	II	BSC-CS 203 T	Practical course based on CS201 and CS202	02
16.	II	BSC-CS 204 T	Linear Algebra	02
17.	II	BSC-CS 205 T	Graph Theory	02
18.	II	BSC-CS 206 T	Mathematics Practical-II	02
19.	II	BSC-CS 207 T	Analog Device Applications	02
20.	II	BSC-CS 208 T	Digital Circuits and Computer Organization	02
21.	II	BSC-CS 209 P	Electronics Practical Course - II	02
22.	II	BSC-CS 210 P	Method of Applied Statistic	02
23.	II	BSC-CS 211 P	Continuous Probability	02
24.	II	BSC-CS 212 P	Statistics-Practical– II	02
25.	III	BSC-CS 301 T	Data Structures and Algorithms	02
26.	III	BSC-CS 302 T	Software Engineering	02
27.	III	BSC-CS 303 T	Practical course based on CS 301 and CS 302	02
28.	III	BSC-CS 304 T	Groups and Coding Theory	02
29.	III	BSC-CS 305 T	Numerical Techniques	02
30.	III	BSC-CS 306 T	Mathematics Practical	02
31.	III	BSC-CS 307 P	Embedded System	02
32.	III	BSC-CS 308 P	Computer Networking	02
33.	III	BSC-CS 309 P	Electronics Practical Course -I	02
34.	III	BSC-CS 310 T	MIL (Technical English)	02
35.	III	BSC-CS 311 T	Critical Thinking/ Scientific Temper	02
36.	III	BSC-CS 312 T	Web Technologies	02
37.	III	BSC-CS 313 P	Practical course based on CS 312	02
38.	IV	BSC-CS 401 T	Object Oriented Concepts using C++	02
39.	IV	BSC-CS 402 T	NoSQL	02

40.	IV	BSC-CS 403 T	Practical course based on CS 401 and CS 402	02
41.	IV	BSC-CS 404 T	Computational Geometry	02
42.	IV	BSC-AN 405 T	Operation Research	02
43.	IV	BSC-AN 406 T	Mathematics Practical	02
44.	IV	BSC-AN 407 P	Internet of Things and Applications	02
45.	IV	BSC-AN 408 P	Advanced Computer Networking	02
46.	IV	BSC-AN 409 P	Electronics Practical Course - II	02
47.	IV	BSC-AN 410 T	*MIL(Foreign Languages : French/ Japanese)	02
48.	IV	BSC-AN 411 T	Environmental Awareness	02
49.	IV	BSC-AN 412 T	Core Python	02
50.	IV	BSC-AN 413 P	Practical course based on CS 412	02
51.	V	BSC-AN 501 T	Operating Systems – I	02
52.	V	BSC-AN 502 T	Computer Networks – II	02
53.	V	BSC-AN 503 T	Web Technologies – I	02
54.	V	BSC-AN 504 T	Foundations of Data Science	02
55.	V	BSC-AN 505 T	Object Oriented Programming using Java - I	02
56.	V	BSC-AN 506 T	Theoretical Computer Science	02
57.	V	BSC-AN 507 P	Practical course on CS 501	02
58.	V	BSC-AN 508 P	Practical course on CS 503 & CS 504	02
59.	V	BSC-AN 509 P	Practical course on CS 505	02
60.	V	BSC-AN 510 T	Python Programming	02
61.	V	BSC-AN 511 T	Python Programming Practical	02
62.	VI	BSC-AN 601 T	Operating Systems – II	02
63.	VI	BSC-AN 602 T	Software Testing	02
64.	VI	BSC-AN 603 T	Web Technologies – II	02
65.	VI	BSC-AN 604 T	Data Analytics	02
66.	VI	BSC-AN 605 T	Object Oriented Programming using Java - II	02
67.	VI	BSC-AN 606 T	Object Oriented Programming using Java - II	02
68.	VI	BSC-AN 607 P	Practical course on CS 601	02
69.	VI	BSC-AN 608 P	Practical course on CS 603 & CS 604	02
70.	VI	BSC-AN 609 P	Practical course on CS 605	02
71.	VI	BSC-AN 610 T	Block chain Technology	02
72.	VI	BSC-AN 611 T	Block chain Technology	02

Faculty of Science and Technology
B.Sc. Animation

Rules and Regulations

The B.Sc. Computer Science, B.Sc. Animation, B. C. A. (Science), B.Sc. Biotechnology, B.Sc. Wine Technology programmes are of 3 academic years and 6 semesters. The minimum total number of credits requirements for each programme is 140 credits and 08 additional credits.

Bachelor of Science (B.Sc.)

Class	Semester	Subjects	Courses	DSCC	AECC	DSEC*	SEC**	GE	Project**	Total Credits
F.Y. B.Sc.	I	1	08T + 04P	12		-		-		22
F.Y. B.Sc.	II	1	08T + 04P	12		-		-		22
S.Y. B.Sc.	III	1	09 T + 04 P	09	A-MIL B- Critical thinking / Scientific Temper	-		02		26
S.Y. B.Sc.	IV	1	09 T + 04 P	09	A-MIL B- Environmental Awareness	-		02		26
T.Y. B.Sc.	V	1	07 T +04 P	-	-	06 T + 03 P	01 T + 01 P			22
T.Y. B.Sc.	VI	1	07 T +04 P	-	-	06 T + 03 P	01T		01 Project	22
Total										140

** SEC and Project: students are allowed to opt from any department of the college or the same department. The examination cell shall design and implement the mechanism of credit transfer.

* **DSEC**: Board of studies will prepare the groups of 08 Theory and 04 practical courses from which the students can opt for any 06 theory and 03 practicals courses respectively

Credit Distribution

Class	Semester	Subjects	Courses	DSCC		AECC		DSEC		SEC**		GE		Project**	Total Credits
				T	P	T	P	T	P	T	P	T	P		
F.Y. B.Sc.	I	01	08T + 04P	16	06										22
F.Y. B.Sc.	I	01	08T + 04P	16	06										22
S.Y. B.Sc.	III	01	09 T + 04 P	12	06	04						02	02		26
S.Y. B.Sc.	IV	01	09T + 04 P	12	06	04						02	02		26
T.Y. B.Sc.	V	01	07 T + 04P	-	-	-	-	12	06	02	02			-	22
T.Y. B.Sc.	VI	01	07 T + 04 P	-	-	-	-	12	06	02	-			02	22
Total															140

Programme Structure and Credits
B. Sc. Animation

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BSC-AN 101 T	Basics of Animation-I	02
2.	I	BSC-AN 102 T	Foundation of Art	02
3.	I	BSC-AN 103 T	Digital Graphics-I	1.5
4.	I	BSC-AN 104 T	Programming Languages-I	02
5.	I	BSC-AN 105 T	3D Visualization-I	02
6.	I	BSC-AN 106 T	Information Technology-I	1.5
7.	I	BSC-AN 107 T	Creative Writing	02
8.	I	BSC-AN 108 T	Art in Game	02
9.	I	BSC-AN 109 P	Foundation of Art	02
10.	I	BSC-AN 110 P	Programming Language-I	02
11.	I	BSC-AN 111 P	3D Visualization-I	02
12.	I	BSC-AN 112 P	Digital Graphics I	02
13.	II	BSC-AN 201 T	Basics of Animation-II	02
14.	II	BSC-AN 202 T	Digital Filmmaking	02
15.	II	BSC-AN 203 T	Digital Graphics-II	02
16.	II	BSC-AN 204 T	Programming Languages-II	02
17.	II	BSC-AN 205 T	3D Visualization-II	02
18.	II	BSC-AN 206 T	Stop Motion Animation	02
19.	II	BSC-AN 207 T	2D Animation	02
20.	II	BSC-AN 208 T	Typography	02
21.	II	BSC-AN 209 P	Stop motion and C#	02
22.	II	BSC-AN 210 P	2D Animation	02
23.	II	BSC-AN 211 P	3D Visualization-II	02
24.	II	BSC-AN 212 P	Digital Graphics-II	02
25.	III	BSC-AN 301 T	3D Production-I	02
26.	III	BSC-AN 302 T	Animation Technique	02
27.	III	BSC-AN 303 T	Graphics Arts	02
28.	III	BSC-AN 304 T	Digital Technologies	02
29.	III	BSC-AN 305 T	Production Process	02
30.	III	BSC-AN 306 T	Audio Production	02
31.	III	BSC-AN 307 P	Animation Technique & Audio Production	02
32.	III	BSC-AN 308 P	3D Production-I	02
33.	III	BSC-AN 309 P	Graphics Arts	02
34.	III	BSC-AN 310 T	Critical Thinking and Scientific Temper	02
35.	III	BSC-AN 311 T	English / Hindi Communication	02
36.	III	BSC-AN 312 T	Advance Anatomy	02
37.	III	BSC-AN 313 P	Advance Anatomy (Practical)	02
38.	IV	BSC-AN 401 T	3D Production-II	02
39.	IV	BSC-AN 402 T	Motion Graphics	02
40.	IV	BSC-AN 403 T	Web Development	02
41.	IV	BSC-AN 404 T	Augmented and Virtual Reality	02

42.	IV	BSC-AN 405 T	Animation Film and Process	02
43.	IV	BSC-AN 406 T	Digital Photography	02
44.	IV	BSC-AN 407 P	Motion Graphics & Digital Photography	02
45.	IV	BSC-AN 408 P	3D Production-II	02
46.	IV	BSC-AN 409 P	Web Development	02
47.	IV	BSC-AN 410 T	Environmental Awareness	02
48.	IV	BSC-AN 411 T	English/Hindi Communication	02
49.	IV	BSC-AN 412 T	2D Digital Character Animation	02
50.	IV	BSC-AN 413 P	2D Digital Character Animation (Practical)	02
51.	V	BSC-AN 501 T	User Interface	02
52.	V	BSC-AN 502 T	Game Design	02
53.	V	BSC-AN 503 T	Visual Effect-I	02
54.	V	BSC-AN 504 T	Advanced Programming	02
55.	V	BSC-AN 505 T	Script Writing	02
56.	V	BSC-AN 506 T	Digital Editing-I	02
57.	V	BSC-AN 507 P	User Interface and Advanced Programming	02
58.	V	BSC-AN 508 P	Game Design	02
59.	V	BSC-AN 509 P	Visual Effects & Digital Editing-I	02
60.	V	BSC-AN 510 T	3D Character Animation	02
61.	V	BSC-AN 511 T	3D Character Animation (Practical)	02
62.	VI	BSC-AN 601 T	IPR & Cyber Security	02
63.	VI	BSC-AN 602 T	Game Production	02
64.	VI	BSC-AN 603 T	Visual Effects-II	02
65.	VI	BSC-AN 604 T	Concept Development	02
66.	VI	BSC-AN 605 T	Media Communication	02
67.	VI	BSC-AN 606 T	Digital Editing-II	02
68.	VI	BSC-AN 607 P	Game Production	02
69.	VI	BSC-AN 608 P	Visual Effects and Digital Editing-II	02
70.	VI	BSC-AN 609 P	Internship	02
71.	VI	BSC-AN 610 T	Digital Painting & Illustration	02
72.	VI	BSC-AN 611 T	Digital Painting & Illustration (Practical)	02

Faculty of Science and Technology
B. Sc. Biotechnology
Rules and Regulations

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Bachelor of Science (B.Sc.)

Class	Semester	Subjects	Courses	DSCC	AECC	DSEC*	SEC**	GE	Project**	Total Credits
F.Y. B.Sc.	I	1	08T + 04P	12		-		-		22
F.Y. B.Sc.	II	1	08T + 04P	12		-		-		22
S.Y. B.Sc.	III	1	09 T + 04 P	09	A-MIL B- Critical thinking / Scientific Temper	-		02		26
S.Y. B.Sc.	IV	1	09 T + 04 P	09	A-MIL B- Environmental Awareness	-		02		26
T.Y. B.Sc.	V	1	07 T +04 P	-	-	06 T + 03 P	01 T + 01 P			22
T.Y. B.Sc.	VI	1	07 T +04 P	-	-	06 T + 03 P	01T		01 Project	22
Total										140

** **SEC and Project**: students are allowed to opt from any department of the college or the same department. The examination cell shall design and implement the mechanism of credit transfer.

* **DSEC**: Board of studies will prepare the groups of 08 Theory and 04 practical courses from which the students can opt for any 06 theory and 03 practicals courses respectively

Credit Distribution

Class	Semester	Subjects	Courses	DSCC		AECC		DSEC		SEC**		GE		Project**	Total Credits
				T	P	T	P	T	P	T	P	T	P		
F.Y. B.Sc.	I	01	08T + 04P	16	06										22
F.Y. B.Sc.	I	01	08T + 04P	16	06										22
S.Y. B.Sc.	III	01	09 T + 04 P	12	06	04						02	02		26
S.Y. B.Sc.	IV	01	09T + 04 P	12	06	04						02	02		26
T.Y. B.Sc.	V	01	07 T + 04P	-	-	-	-	12	06	02	02			-	22
T.Y. B.Sc.	VI	01	07 T + 04 P	-	-	-	-	12	06	02	-			02	22
Total															140

Programme Structure and Credits
B. Sc. Biotechnology

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BSC-BT 101T	Fundamentals of Chemistry I	02
2.	I	BSC-BT 102T	Fundamentals of Physics I	02
3.	I	BSC-BT 103T	Biochemistry I	02
4.	I	BSC-BT 104T	Biophysics and Bioinstrumentation	02
5.	I	BSC-BT 105T	Plant Biology	02
6.	I	BSC-BT 106T	Animal Biology	02
7.	I	BSC-BT 107T	Basic Microbiology	02
8.	I	BSC-BT 108T	Biomathematics and Biostatistics I	02
9.	I	BSC-BT 109P	Practical in Chemistry and Biochemistry I	1.5
10.	I	BSC-BT 110P	Practical in Botany and Zoology	1.5
11.	I	BSC-BT 111P	Practical in Microbiology and Biostatistics	1.5
12.	I	BSC-BT 112P	Practical in Physics and Biophysics	1.5
13.	II	BSC-BT 201T	Fundamentals of Chemistry II	02
14.	II	BSC-BT 202T	Biochemistry II	02
15.	II	BSC-BT 203T	Bioinstrumentation	02
16.	II	BSC-BT 204T	Applied Plant Biology	02
17.	II	BSC-BT 205T	Applied Animal Biology	02
18.	II	BSC-BT 206T	Applied Microbiology	02
19.	II	BSC-BT 207T	Biomathematics and Biostatistics II	02
20.	II	BSC-BT 208T	Information Technology	02
21.	II	BSC-BT 209P	Practical in Chemistry and Biochemistry II	1.5
22.	II	BSC-BT 210P	Practical in Applied Botany and Zoology	1.5
23.	II	BSC-BT 211P	Practical in Microbiologyand Bioinstrumentation	1.5
24.	II	BSC-BT 212P	Practical in Information Technology and Biostatistics	1.5
25.	III	BSC-BT 301T	Cell Biology I	02
26.	III	BSC-BT 302T	Cell Biology II	02
27.	III	BSC-BT 303T	Metabolic Pathways	02
28.	III	BSC-BT 304T	Genetics	02
29.	III	BSC-BT 305T	Immunology	02
30.	III	BSC-BT 306T	Ecology and Environmental Biotechnology	02
31.	III	BSC-BT 307P	Practical in Cell Biology	02
32.	III	BSC-BT 308P	Practical in Genetics and Immunology	02

33.	III	BSC-BT 309P	Practical in Metabolic and Ecology and Environmental Biotechnology	02
34.	III	BSC-BT 310T	Critical Thinking and Scientific Temper	02
35.	III	BSC-BT 311T	English/ Hindi Communication	02
36.	III	BSC-BT 312T	Laboratory Management (Biosafety and Instrumentation)	02
37.	III	BSC-BT 313P	Practicals in LaboratoryManagement	02
38.	IV	BSC-BT 401T	Biodiversity and Evolution	02
39.	IV	BSC-BT 402T	Molecular Biology I	02
40.	IV	BSC-BT 403T	Molecular Biology II	02
41.	IV	BSC-BT 404T	Plant Development	02
42.	IV	BSC-BT 405T	Animal Development	02
43.	IV	BSC-BT 406T	Bioanalytical Techniques	02
44.	IV	BSC-BT 407P	Practical in Molecular Biology	02
45.	IV	BSC-BT 408P	Practical in Animal and PlantDevelopment	02
46.	IV	BSC-BT 409P	Practical in Biodiversity and Evolution and Bioanalytical Techniques	02
47.	IV	BSC-BT 410T	Environmental awareness	02
48.	IV	BSC-BT 411T	Language Communication	02
49.	IV	BSC-BT 412T	Oenology	02
50.	IV	BSC-BT 413P	Practical in Oenology	02
51.	V	BSC-BT 501T	Food and Dairy Biotechnology	02
52.	V	BSC-BT 502T	Recombinant DNA Technology	02
53.	V	BSC-BT 503T	Genetic Engineering	02
54.	V	BSC-BT 504T	Plant Tissue Culture	02
55.	V	BSC-BT 505T	Animal Tissue Culture	02
56.	V	BSC-BT 506T	Medical Biotechnology	02
57.	V	BSC-BT 507P	Practical in Food, Dairy and MedicalBiotechnology	02
58.	V	BSC-BT 508P	Practical in Plant Tissue Cultureand Animal Tissue Culture	02
59.	V	BSC-BT 509P	Practical in Genetic Engineering	02
60.	V	BSC-BT 510T	Seminar and Term Paper Writing	02
61.	V	BSC-BT 511P	Preparation and Presentation on TermPaper	02
62.	VI	BSC-BT 601T	Industrial Biotechnology	02
63.	VI	BSC-BT 602T	Enzyme Technology	02
64.	VI	BSC-BT 603T	Pharmaceutical Biotechnology	02
65.	VI	BSC-BT 604T	Bioinformatics	02
66.	VI	BSC-BT 605T	Biosafety and Bioethics and IPR	02
67.	VI	BSC-BT 606T	Applied Biotechnology	02
68.	VI	BSC-BT 607P	Practical in Industrial and Applied	02

			Biotechnology	
69.	VI	BSC-BT 608P	Practical in Enzyme Technology	02
70.	VI	BSC-BT 609P	Practical in Bioinformatics and Pharmaceutical Biotechnology	02
71.	VI	BSC-BT 610T	Research Methodology	02
72.	VI	BSC-BT 611Pr	SEC – IV Project	02

Faculty of Science and Technology
B.Sc. Wine Technology

Rules and Regulations

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Bachelor of Science (B.Sc.)

Class	Semester	Subjects	Courses	DSCC	AECC	DSEC*	SEC**	GE	Project**	Total Credits
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F.Y. B.Sc.	II	1	08T + 04P	12		-		-		22
S.Y. B.Sc.	III	1	09 T + 04 P	09	A-MIL B- Critical thinking / Scientific Temper	-		02		26
S.Y. B.Sc.	IV	1	09 T + 04 P	09	A-MIL B- Environmental Awareness	-		02		26
T.Y. B.Sc.	V	1	07 T +04 P	-	-	06 T + 03 P	01 T + 01 P			22
T.Y. B.Sc.	VI	1	07 T +04 P	-	-	06 T + 03 P	01T		01 Project	22
Total										140

** SEC and Project: students are allowed to opt from any department of the college or the same department. The examination cell shall design and implement the mechanism of credit transfer.

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Credit Distribution

Class	Semester	Subjects	Courses	DSCC		AECC		DSEC		SEC**		GE		Project**	Total Credits
				T	P	T	P	T	P	T	P	T	P		
F.Y. B.Sc.	I	01	08T + 04P	16	06										22
F.Y. B.Sc.	I	01	08T + 04P	16	06										22
S.Y. B.Sc.	III	01	09 T + 04 P	12	06	04						02	02		26
S.Y. B.Sc.	IV	01	09T + 04 P	12	06	04						02	02		26
T.Y. B.Sc.	V	01	07 T + 04P	-	-	-	-	12	06	02	02			-	22
T.Y. B.Sc.	VI	01	07 T + 04 P	-	-	-	-	12	06	02	-			02	22
Total															140

Programme Structure and Credits
Wine, Brewing and Alcohol Technology

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	WBAT 101T	Basic Microbiology I	02
2.	I	WBAT 102T	Industrial Microbiology I	02
3.	I	WBAT 103T	Basic Botany	02
4.	I	WBAT 104T	Plant Development and Anatomy	02
5.	I	WBAT 105T	Basic Biochemistry I	02
6.	I	WBAT 106T	Computer Applications	02
7.	I	WBAT 107T	Basic Oenology	02
8.	I	WBAT 108T	Sensory Evaluation of wine I	02
9.	I	WBAT 109P	Practical's in Microbiology	1.5
10.	I	WBAT 110P	Practical's in Botany	1.5
11.	I	WBAT 111P	Practical's in Biochemistry and Computer application	1.5
12.	I	WBAT 112P	Practical's in Oenology	1.5
13.	II	WBAT 201T	Basic Microbiology II	02
14.	II	WBAT 202T	Industrial Microbiology II	02
15.	II	WBAT 203T	Plant Physiology	02
16.	II	WBAT 204T	Applied Botany	02
17.	II	WBAT 205T	Basic Biochemistry II	02
18.	II	WBAT 206T	Metabolic Pathways	02
19.	II	WBAT 207T	Introduction to Beer, Wine and Alcohol Technology	02
20.	II	WBAT 208T	Sensory Evaluation of Wine-II	02
21.	II	WBAT 209P	Practical's in Microbiology	1.5
22.	II	WBAT 210P	Practical's in Botany	1.5
23.	II	WBAT 211P	Practical's in Biochemistry	1.5
24.	II	WBAT 212P	Practical's in Wine Technology	1.5
25.	III	WBAT 301T	Fermentation Technology I	02
26.	III	WBAT 302T	Yeast Technology	02
27.	III	WBAT 303T	Brewing Technology	02
28.	III	WBAT 304T	Alcohol Technology	02
29.	III	WBAT 305T	Applied Biochemistry	02
30.	III	WBAT 306T	Vineyard Management I	02
31.	III	WBAT 307P	Practical's Course I	02
32.	III	WBAT 308P	Practical's Course II	02
33.	III	WBAT 309P	Practical's Course III	02
34.	III	WBAT 310T	Critical thinking and Scientific Temper	02
35.	III	WBAT311T	English/Hindi Communication	02
36.	III	WBAT312(A)T WBAT312(B)T	Food Technology Laboratory management	02
37.	III	WBAT313(A)P	Practical's in Food Technology	02

		WBAT313(B)P	Practical's in Laboratory management	
38.	IV	WBAT 401T	Fermentation Technology II	02
39.	IV	WBAT 402T	Fruit and Fortified Wines	02
40.	IV	WBAT 403T	Wine Technology I	02
41.	IV	WBAT 404T	Wine Technology II	02
42.	IV	WBAT 405T	Business Management	02
43.	IV	BSC-WBAT 406T	Vineyard Management II	02
44.	IV	WBAT 407P	Practical's Course I	02
45.	IV	WBAT 408P	Practical's Course II	02
46.	IV	WBAT 409P	Practical's Course III	02
47.	IV	WBAT 410T	Environmental Awareness	02
48.	IV	WBAT 411T	Language Communication	02
49.	IV	WBAT 412(A)T WBAT 412(B)T	Biophysical and Biochemical techniques Plant tissue culture	02
50.	IV	WBAT 413(A)P WBAT 413(B)P	Exercises in Biophysical and Biochemical technique Practical's in Plant tissue culture	02
51.	V	WBAT 501T	Basic Chemical Engineering	02
52.	V	WBAT 502T	Equipment & Utilities	02
53.	V	WBAT 503T	Health Benefits of Alcoholic Beverages I	02
54.	V	WBAT 504T	Microbial Spoilage and Defects in Alcoholic Beverages	02
55.	V	WBAT 505T	Marketing of alcoholic beverages	02
56.	V	WBAT 506T	Waste Treatment I	02
57.	V	WBAT 507P	Practical Course -I	02
58.	V	WBAT 508P	Practical Course -II	02
59.	V	WBAT 509P	Practical Course -III	02
60.	V	WBAT 510T	Term Paper writing	02
61.	V	WBAT 511Pr	Project Based On Viticulture or Brewing	02
62.	VI	WBAT 601T	Brewing and Alcohol Technology	02
63.	VI	WBAT 602T	Sensory Evaluation of Wine, Beer and Alcohol	02
64.	VI	WBAT 603T	Health benefits of Alcoholic Beverages-II	02
65.	VI	WBAT 604T	Maturation and Aging of Alcoholic Beverages	02
66.	VI	WBAT 605T	Alcoholic Beverages: Laws and Regulatory Policies	02
67.	VI	WBAT 606T	Waste Treatment II	02
68.	VI	WBAT 607P	Practical Course I	02
69.	VI	WBAT 608P	Practical Course II	02
70.	VI	WBAT 609P	Practical Course III	02
71.	VI	WBAT 610	Enzyme Technology	02
72.	VI	WBAT 611Pr	Winery or Alcohol Technology Project	02

Faculty of Science and Technology
B. C. A. (Science)
Rules and Regulations

The B. C. A. (Science), the programme is for 3 academic years and 6 semesters. The minimum total number of credits requirements for each programme is 140 credits and 08 additional credits.

B. C. A. Science: Programme Structure

Class	Semester	Subjects	Courses	DSCC	AECC	DSEC*	SEC**	GE	Project**	Total Credits
F.Y.	I	1	04T + 04P	04T + 04P		-		-		22
F.Y.	II	1	04T + 04P	04T + 04P		-		-		22
S.Y.	III	1	06 T + 04 P	03T + 03P	A-MIL B- Critical thinking / Scientific Temper	-		01T + 01P		26
S.Y.	IV	1	06 T + 04 P	03T + 03P	A-MIL B- Environmental Awareness	-		01T + 01P		26
T.Y.	V	1	04 T + 04 P	-	-	03T+ 03 P	01T + 01P			22
T.Y.	VI	1	04T + 03 P + 01 pr	-	-	03T+ 03 P	01T		01 Project	22
Total										140

** **SEC and Project**: students are allowed to opt from any department of the faculty or the parent department. The examination cell shall design and implement the mechanism of credit transfer.

*   **DSEC**: Board of studies will prepare the groups of 04 Theory and 04 practical courses from which the students can opt for any 03 theory and 03 practicals respectively

Credit Distribution

Class	Semester	Subjects	Courses	DSCC		AECC		DSEC		SEC**		GE		Project**	Total Credits
				T	P	T	P	T	P	T	P	T	P		
F.Y.	I	01	04T + 04P	16	06										22
F.Y.	I	01	04T + 04P	16	06										22
S.Y.	III	01	06 T + 04 P	12	06	04						02	02		26
S.Y.	IV	01	06 T + 04 P	12	06	04						02	02		26
T.Y.	V	01	04 T + 04 P	-	-	-	-	12	06	02	02			-	22
T.Y.	VI	01	04T + 03 P + 01 pr	-	-	-	-	12	06	02	-			02	22
Total															140

Programme Structure and Credits
B. C. A. Science

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BCA-SC 101 T	Principles of Programming and C Programming Fundamentals	04
2.	I	BCA-SC 102 T	Fundamentals of Computers	04
3.	I	BCA-SC 103 T	Web Designing -I	04
4.	I	BCA-SC 104 T	Mathematics and statistical methods for Computer Science	04
5.	I	BCA-SC 105 P	Principles of Programming and C Programming Fundamentals Lab	1.5
6.	I	BCA-SC 105 P	Fundamentals of Computers Lab	1.5
7.	I	BCA-SC 107 P	Web Designing –I Lab	1.5
8.	I	BCA-SC 108 P	Mathematics and statistical methods Lab	1.5
9.	II	BCA-SC 201 T	Advance C Programming	04
10.	II	BCA-SC 202 T	Database Management Systems	04
11.	II	BCA-SC 203 T	Web Designing-II	04
12.	II	BCA-SC 204 T	Software Engineering	04
13.	II	BCA-SC 205 P	Advance C Programming Lab	1.5
14.	II	BCA-SC 206 P	Database Management Systems Lab	1.5
15.	II	BCA-SC 207 P	Web Designing-II Lab	1.5
16.	II	BCA-SC 208 P	Software Engineering Lab	1.5
17.	II	BCA-SC 301 T	Object Oriented Programming concepts using C++	04
18.	II	BCA-SC 302 T	Data Structures using C	04
19.	II	BCA-SC 303 T	Advance Database Management Systems	04
20.	II	BCA-SC 304 P	Object Oriented Programming concepts using C++	02
21.	II	BCA-SC 305 P	Lab Data Structures using C Lab	02
22.	II	BCA-SC 306 P	Advance Database Management Systems	02
23.	II	BCA-SC 307 T	Critical Thinking and Scientific Temper	02
24.	II	BCA-SC 308 T	MIL	02
25.	III	BCA-SC 309 T	React Js	02
26.	III	BCA-SC 310 P	React Js Lab	02
27.	III	BCA-SC 401 T	Core Java Programming	04
28.	III	BCA-SC 402 T	Python Programming	04
29.	III	BCA-SC 403 T	Operating System Concepts	04
30.	III	BCA-SC 404 P	Core Java Programming Lab	02
31.	III	BCA-SC 405 P	Core Java Programming Lab	02
32.	III	BCA-SC 406 P	Operating System Concepts Lab	02
33.	III	BCA-SC 407 T	Environmental Awareness	02
34.	III	BCA-SC 408 T	MIL	02
35.	III	BCA-SC 409 T	Entrepreneurship	02
36.	III	BCA-SC 410 P	Entrepreneurship Lab	02
37.	III	BCA-SC 501 T	Software Development and Testing (Group A) Or	12

			Computer Networking and Hardware (Group B) Or Web Designing (Group C)	
38.	IV	BCA-SC 502 P	Lab on Group-A/B/C	02
39.	IV	BCA-SC 503 T	Cyber Forensics	02
40.	IV	BCA-SC 504 P	Cyber Forensics Lab	02
41.	IV	BCA-SC 601T	Software Development and Testing (Group D) Or Computer Networking and Hardware Group E Or Web Designing Group	12
42.		BCA-SC 602 P	Lab on Group D/E/F	
43.	IV	BCA-SC 603 T	Cyber Forensics	02
44.	IV	BCA-SC 604 P	Cyber Forensics Lab	02

Programme Structure and Credits
B. Voc. Journalism and Mass Communication

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BVC-JM 101T	Introduction to communication studies	04
2.	I	BVC-JM 102T	Pre-Independence History of India	04
3.	I	BVC-JM 103T	History of Mass Media	04
4.	I	BVC-JM 104P	Reading Skills	06
5.	I	BVC-JM 105P	ICT Skills	06
6.	I	BVC-JM 106P	Language Skills	06
7.	II	BVC-JM 201T	Communication studies -II	04
8.	II	BVC-JM 202T	Post-Independence History of India	04
9.	II	BVC-JM 203T	Indian Media Industry	04
10.	II	BVC-JM 204P	Print Journalism	06
11.	II	BVC-JM 205P	Basics of Photography	06
12.	II	BVC-JM 206P	Writing Skills	06
13.	III	BVC-JM 301T	Mass Communication theories	04
14.	III	BVC-JM 302T	Indian Constitution and Political System	04
15.	III	BVC-JM 303T	Film and Television	04
16.	III	BVC-JM 304P	Print News Editing	06
17.	III	BVC-JM 305P	Photo Journalism	06
18.	III	BVC-JM 306P	Creatove Content Writing	06
19.	IV	BVC-JM 401T	Media Audience and Society	04
20.	IV	BVC-JM 402T	Indian Culture and Society	04
21.	IV	BVC-JM 403T	Digital Media	04
22.	IV	BVC-JM 404P	Broadcast Journalism	06
23.	IV	BVC-JM 405P	Digital Journalism	06
24.	IV	BVC-JM 406P	Translation	06
25.	V	BVC-JM 501T	Media Law and Ethics	04
26.	V	BVC-JM 502T	Gender Studies	04
27.	V	BVC-JM 503T	Advertising and Public Relations	04
28.	V	BVC-JM 504P	Broadcast News and Reporting	06
29.	V	BVC-JM 505P	Audio Visual Technology	06
30.	V	BVC-JM 506P	Online Content Writing	06
31.	VI	BVC-JM 601T	Film Appriciation	04
32.	VI	BVC-JM 602T	Digitasl Humanities	04
33.	VI	BVC-JM 603T	Brand Management	04
34.	VI	BVC-JM 604P	Radio Programming	06
35.	VI	BVC-JM 605P	Production Project	12

Programme Structure and Credits
B. Voc. Printing Technology

Sr. No.	Semester	Course Code	Course Title	Credits
1.	I	BVOC-PT 101 T	Elements of Printing Technology	04
2.	I	BVOC-PT 102 T	Fundamentals of ICT	03
3.	I	BVOC-PT 103 T	Graphic Design – I	03
4.	I	BVOC-PT 104 P	LAB –I Screen Printing Techniques	04
5.	I	BVOC-PT 105 P	LAB –II Fundamentals of ICT	04
6.	I	BVOC-PT 106 P	LAB –III Graphic Design - I	04
7.	I	BVOC-PT 107 P	LAB –IV Communication Skills	02
8.	I	BVOC-PT 108 P	Field Work	02
9.	II	BVOC-PT 201 T	Advanced Printing Technologies	03
10.	II	BVOC-PT 202 T	Web Designing	03
11.	II	BVOC-PT 203 T	Graphic Design & Advertisement	04
12.	II	BVOC-PT 204 P	LAB –I Offset Machines	04
13.	II	BVOC-PT 205 P	LAB –II Web Designing	04
14.	II	BVOC-PT 206 P	LAB –III Graphic Design- II	04
15.	II	BVOC-PT 207 P	LAB –IV Personality Development	02
16.	II	BVOC-PT 208 P	Field Work	02
17.	III	BVOC-PT 301 T	Image Carrier Generation	04
18.	IV	BVOC-PT 302 T	Web Offset Printing Process	04
19.	IV	BVOC-PT 303 T	Ink Technology	04
20.	IV	BVOC-PT 304 P	LAB – I Graphic Design - III	03
21.	IV	BVOC-PT 305 P	LAB –II Sheet- Fed Offset Printing	03
22.	IV	BVOC-PT 306 P	LAB –III Ink Mixing & Shade Matching	03
23.	IV	BVOC-PT 307 P	LAB –IV Cost Estimation	03
24.	IV		AECC-I Critical thinking and Scientific Temper	02
25.	IV		AECC -02-MIL	02
26.	IV	BVOC-PT 308 P	Field Work	05
27.	V	BVOC-PT 501 T	Package Designing and Development	03
28.	V	BVOC-PT 502 T	Security Printing, Copyrights & Ethics	03
29.	V	BVOC-PT 503 T	Modern Trends in Printing	03
30.	V	BVOC-PT 504 T	Material Science	03
31.	V	BVOC-PT 505 P	LAB -I Package Design & Development	03
32.	V	BVOC-PT 506 P	LAB –II Paper & Ink Testing	03
33.	V	BVOC-PT 507 P	LAB -III Troubleshooting & Machine Maintenance	03
34.	V	BVOC-PT 508 P	LAB- IV Project Stage –I	04
35.	V	BVOC-PT 509 P	Field Work	04
36.	VI	BVOC-PT 601 P	Industrial Internship/ Industrial Training	12
37.	VI	BVOC-PT 602 P	Project Stage – II	10

Additional grade-based credits for all UG Programmes

Sr. No.	Title	Credits	Remark
1.	Democracy, Election and Governance: **Semester I**	02	Compulsory
2.	Physical Education: **Semester II**	02	Compulsory
3.	Completion of skill-based certificate programme organized by any department of the college	02	Compulsory
4.	SWAYAM certificate course	02	Optional
5.	Participation in NSS Winter Camp	02	Optional
6.	'C' Certificate in NCC	02	Optional
7.	Selection and participation in RDC parade at New Delhi	02	Optional
8.	Representation at State/ National level Co-curricular Activities	02	Optional
9.	Representation at State/ National level Extra-curricular Activities	02	Optional
10.	Winning Medal/ Prize at International/National level Co-curricular/ Extracurricular activities	02	Optional
11.	Prize in Curricular/ Extracurricular/ Cultural Activities at college level	01	Optional
12.	Active participation in Excursion tours/Study tours and Experiential Learning Activities	01	Optional
13.	Survey Report	02	Optional
14.	Book Review on a book suggested by the Academic Council	02	Optional

Admission Eligibility:

Sr. No.	Programme	Eligibility
1.	First Year B.A.	(a) Higher Secondary School Certificate (10+2) or its equivalent Examination with English as a passing subject. (b) Three Years Diploma Course (after S.S.C. i.e. 10th Standard), of Board of Technical Education conducted by Government of Maharashtra or its equivalent. (c) Three Years Diploma in Pharmacy Course (after S.S.C. i.e. 10th), of Board of Technical Education conducted by Government of Maharashtra or its equivalent. (d) S.S.C. of 10 years or 11 years with English and Indian Air Force Educational Test for promotion to the rank of Corporal. (e) Trained Teachers Certificate Course, of Inter-State Board of Anglo-Indian Education, New Delhi. (f) Intermediate Commerce/Arts examination from the Recognized Board of Secondary Education, M.P. Bhopal with 4 subjects including General English. (g) Diploma in Education with English, of Bureau of Government of Maharashtra. (h) MCVC (minimum competency Vocational Course Government of Maharashtra)
2.	Second Year B.A.	Bachelor's Degree in any faculty provided student who has passed B.A. Examination will not be eligible for admission to S.Y.B.A. in the same subject in which he has passed his B.A. examination.
3.	First Year B.Com.	(a) Higher Secondary School Certificate (10+2) or its equivalent Examination with English. (b) Three Years Diploma Course after S.S.C. i.e. 10th standard, of Board of Technical Education

		conducted by Government of Maharashtra or its equivalent. (c) Two Years Diploma in Pharmacy after HSC, of Board of Technical Education conducted by Government of Maharashtra or its equivalent. (d) Intermediate Commerce/Arts examination from the Board of Secondary Education, M.P. Bhopal with 4 subjects including General English. (e) Minimum Competency based Vocational Course.
4.	B. B. A. (First Year)	(a) Higher Secondary School Certificate (10+2) or its (First Year) equivalent Examination with 40% marks from any stream. (35% for Reserved category and 40% for Open category candidate as per Maharashtra state government rules) and English as one of the Subjects. Or (b) Three-year Diploma Course (after S.S.C.) of Technical Education conducted by Government of Maharashtra or its equivalent. or (c) Two-year Diploma Course in Pharmacy (after H.S.C.) of Board of Technical Education conducted by Government of Maharashtra or its equivalent. (d) Higher Secondary School Certificate (10+2) Examination with 45% marks and any Vocational subject at (10+2) level. (e) Higher Secondary School Certificate (10+2) Vocational (MCVC)- Minimum Competency based vocational course Examination with 45% marks (40% for reserved category candidate as per Maharashtra state government rules).
5.	B.B.A. (Computer Application)	(a) Higher Secondary School Certificate (10+2) or its equivalent Examination with 40% marks from any stream. (35% for Reserved category and 40% for Open category candidate as per

		Maharashtra state government rules) and English as one of the Subjects. or (b) Three-year Diploma Course (after S.S.C.) of Board of Technical Education conducted by Government of Maharashtra or its equivalent. or (c) Two-year Diploma Courses in Pharmacy (after H.S.C.) of Board of Technical Education conducted by Government of Maharashtra or its equivalent. or (d) Higher Secondary School Certificate (10+2) Examination with 45% marks and any Vocational subject at (10+2) level. (e) Higher Secondary School Certificate (10+2) Vocational (MCVC)- Minimum Competency based vocational course Examination with 45% marks (40% for reserved category candidate as per Maharashtra state government rules).
6.	First Year B.Sc.	(a) Higher Secondary School Certificate (10+2) or its equivalent Examination with English with any three science subjects such as Physics, Chemistry, Biology, Mathematics, Geography, Geology, etc. or (b) Three Years Diploma Course of Board of Technical Education conducted by Government of Maharashtra or its equivalent. or (c) Three Years Diploma in Pharmacy Course of Board of Technical Education conducted by Government of Maharashtra or its equivalent. or (d) Intermediate Science Examination with Compulsory English, Physics, Chemistry, Biology/Mathematics or

		any other three subjects from the Board of Secondary Education M.P. Bhopal, as a regular candidate.
		(e) The Students who have completed three years Semi-English Krishi Tantra Niketan of Mahatma Phule Krushi Vidyapeeth Rahuri are eligible, however such cases
		should be approved by equivalence committee of science faculty of concern college.
		(f) Higher Secondary School Certificate (10+2) Examination with English and any of the following vocational subjects of + 2 level (MCVC).
		Subject Code Subject.
		79 Auto Electrical
		A1 Electrical Maintenance
		A2 Mechanical Maintenance
		A4 General Civil Engineering
		C2 Electronics
		C3 Chemical Plant Operation
		D9 Computer Science
		C5 Elementary Laboratory Technology
		J1/J2/J3 Electronics Technology
		J4/J5/J6 Maintenance & Repairs of Electrical
		Domestic Appliances
		K1/K2/K3Auto Engineering Technician
		K4/K5/K6Mechanical Technology
		P1/P2/P3 Medical Lab. Technician
		P4/P5/P6 X-Ray Technician
		P7/P8/P9 Ophthalmic Technician
		T1/T2/T3 Repair, Maintenance & Rewinding of
		Electrical Motors. L1/L2/L3 Horticulture of other Agriculture Group.
7.	Second Year B.Sc.	In addition to the above qualification students who have

		passed Diploma course in Engineering and Pharmacy are Eligible however such cases should be approved by equivalence committee of science Faculty of University
8.	F.Y. B.Sc. (Computer Science)	(a) Higher Secondary School Certificate (10+2) Science
9.	F. Y. B. Sc. (Biotechnology)	(a) H.S.C. (10+2) Science Passed or equivalent. (b) Admission should be made on partly merit and partly entrance examination basis
10.	F. Y. B. Sc. (Wine Technology)	H.S.C. (10+2) Science or equivalent.
11.	F.Y. B.Sc. (Animation)	a) Higher Secondary School Certificate (10+2) or its equivalent Examination with English with any three subjects such as Physics, Chemistry, Biology, Mathematics, Geography, etc. or b) Three Years Diploma Course of Board of Technical Education conducted by Government of Maharashtra or its equivalent or c) Higher Secondary School Certificate (10+2) or its equivalent Examination with English and any of the following vocational subjects in the technical group of +2 level (MCVC) e.g. Subjects are: Electrical Maintenance, Mechanical Maintenance, General Civil Engineering, Electronics, Computer Science, Information Technology, Electronics Technology (J1/J2/J3) d) Qualifying Elementary/ Intermediate School Level drawing examination is desirable.
12.	B. Voc. Printing Technology	Higher Secondary School Certificate (10+2) or its equivalent Examination of any stream from any recognized state board or Secondary School Certificate (10) +2 years plus government ITI.

Student Support Services

- **Library**

- **Girls Hostel**

- **Boys Hostel**

- **National Service Scheme (N. S. S.)**

- **National Cadet Corps (N. C. C.) for Boys**

- **National Cadet Corps (N. C. C.) for Girls**

- **Gymnasium and Playground**

- **Board of Student Development**

- **Earn And Learn**

- **Placement Cell**

- **Students Guidance and Counseling**

- **Parent Teacher Association**

- **Alumni Association**

- **Student Health Service**

- **Science Association**

- **Social Science Association**

- **Language Association**

- **Commerce Association**

- **Grievance and Redressal Cell**

- **Cultural Association**

Libarary Service

1. **Central Library**

   i)   Total Area: 18126.95 sq. ft.

   ii)   Whether reading room available: Yes

   iii)   Details about books, titles, Journals (National/International), CDs, e- resources, e-journals, theses, etc.)

Details of library resources in the institution

Sr. No.	Particulars	Quantity/ Remark
1.	Books	137888
2.	Journals/ Periodicals/Magazines	157
3.	Newspapers	20
4.	e-Books	97000
5.	e-Journals	6000
6.	Educational CD / DVDs	1311
7.	Wi-Fi Connectivity	04 broadband and 03 lease lines
8.	Periodical Section	01
9.	CCTV	Yes
10.	Computerization of operations	Yes
11.	Access to INFLIBNET, DELNET and SOUL	Yes
12.	Reprography	Yes
13.	Reading Hall	Yes

6. **Hostels (No. of rooms with students accommodated)**

   (i) Men

Sr. No.	Hostel	Area (sq.ft.)	Number of Rooms	Accommodation
1.	Boys Hostel No. 01	31577.26	70	280
2.	Boys Hostel No. 02	14290.00	35	60
Total			105	340

   ii) **Women**

Sr. No.	Hostel	Area (sq. ft.)	Number of Rooms	Accommodation
1.	Girls Hostel No. 01	33646.52	75	317

7. **Sports Facilities in the college campus (indoor/outdoor), playgrounds, fitness equipment, sports coaches, etc.**

Sr. No.	Item	Facility
1.	Area of Playground	200 x 150 mts.
2.	Facilities for indoor games	*Gymkhana* Hall, Weight Training Hall, T. T. Hall, Badminton Hall, Weight Lifting Hall, Judo and Wrestling mat, Chess
3.	Facilities for outdoor games	100, 200, 400 Meter Running Track, Volley Ball, *Kabaddi*, Basketball Court, Malkhamb, *Kho-Kho* and Cricket ground
4.	List of Fitness Equipment	1. 12 Stage Gym Fitness Machine 2. Power Lifting Bar – 183 Kg 3. Weight Lifting Bar 4. Chest Develop Machine 5. Thigh Develop Machine

		6. Rowing Machine
		7. Squat Develop Bar
		8. Treadmill
		9. Vibrator Belt Machine
		10. Bench Press, Bench Flat
		11. Incline Bench
		12. Squat Stand
		13. Double Bar
		14. Single Bar
		15. Rubber Mat
		16. Weight Lifting Flat Farm
		17. Leg Press Machine
		18. Leg Extension
		19. Wrist Curl
		20. Lat Pull Down Machine
		21. Bicep Machine
		22. Tricep Machine
		23. Calf Machine
		24. Pack Desk Machine
		25. Skipping Rope
		26. Dips Stand
		27. Lifting Bar

NATIONAL CADET CORPS (N. C. C.)

- Separate Boys and Girls NCC Units
- Boys Unit Intake : 72
- Girls Unit Intake : 65
- NCC Elective Course is availble for NCC Cadets

Participation in Republic Day Parade, New Delhi

Sr. No.	Cadet	Year
1.	Chobhe Sagar Bhausaheb	2012-13
2.	Kadus Shubham Balasaheb	2013-14
3.	Karle Sachin Balasaheb	2013-14
4.	Walunj Amol Shashikant	2014-15
5.	Kharade Kajal Rameshrao	2015-16

- Chobhe Sagar received Maharashtra Champion Banner on 26th January 2013 in RDC Parade at New Delhi.
- Medals secured by the NCC cadets at various levels.

- Other Activities: Tree plantation, blood donation camps, road safety rallies, relief funds etc.

NATIONAL SERVICE SCHEME (N.S.S.)

➢ **Appreciation at national level by Indira Gandhi NSS Award, Ministry of Youth, Affairs and Sports, Government of India.**

➢ **NSS Unit Intake : 250 volunteers.**

➢ **Organization of NSS winter camp in villages.**

Check dams constructed

➢ **Agadgaon** : Capacity : 3670 m^3

➢ **Ghospuri** : Capacity : 4530 m^3

➢ **Dahigaon** : Capacity : 9470 m^3

➢ **Rui Chhattishi** : Capacity : 2345 m^3

➢ **Sakat Vishal Subash Participated in State Republic Day Parade, Mumbai.**

➢ **Other activities: Village Adoption Programme, Plantation drive, *Swachha Bharat Abhiyan,* Street plays on social issues, Sahabhojan etc.**

➢ **Best NSS Unit, Best NSS Coordinator Award by Savitribai Phule Pune University, Pune**

Instruction to College Mobile App

1. Visit Google Play Store :

2. Search and Download MograSIS Parent APP

3. Open App
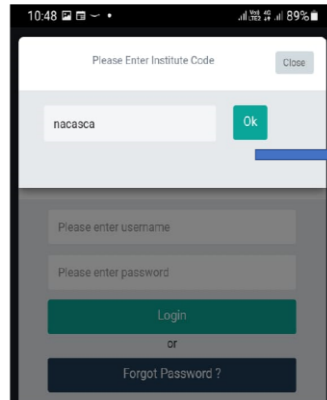
4. Enter Institutional Code (nacasca)
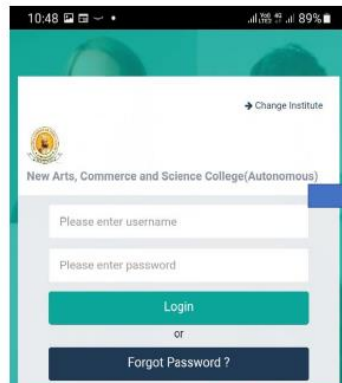
Enter your login and passward provided by college for filling examination form

(ex: User: 210415 Password: 12345678*)
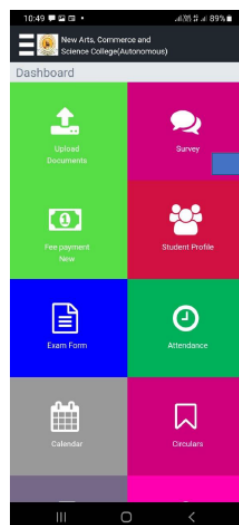
Open Survey option and submit it.

You can use this app for filling admission form, examination form etc.

Carrer Katta (करिअर कट्टा) Information for Students

Course List	
1) Python Programming	26) Digital Banking
2) Python for AI/ML	27) Digital Marketing
3) Python for web Development	28) Political Ethics and Value
4) Cloud computing	29) Leadership Development
5) Devops	30) Literacy about Judicial Process
6) Data analytics with tableau and power BI	31) Constitutional Values and Ethics
7) Social Media Profile Management	32) Certificate in Office Administration
8) Financial Literacy	33) Certificate in Training Management
9) Event Management	34) Organic Farming
10) Fund Flow Management	35) Fruits and Vegetables Drying Dehydration and Technology
11) Communication Skill & Personality Development	36) Certificate course in World Politics
12) बी पी टी १९५० संस्था नोंदणी कायदा प्रशिक्षण	37) Certificate course in Rural Development
13) Road Safety and Awareness Training	38) Scientific Temperament
14) परदेशी नोकरीच्या संधी आणि व्यक्तिमत्व विकास	39) Green Chemistry
15) Foundation Course in Business Law	40) Renewable Energy
16) माहिती अधिकार कायदा प्रशिक्षण	41) Nanotechnology
17) Soft Skill Training Program	42) Biotechnology
18) Certificate Course in Human Right	43) Medical Lab Technology
19) Certificate Course in Journalism	44) Nano Biotechnology
20) Communication Skill Program	45) Introduction to Forensic Science
21) Content Writing Course	46) Tourism Management
22) Basic of Cost & Works Accounting	47) Forensic Accounting
23) E- Filling	48) Cyber Law
24) Soft Skill Development	49) Office Management
25) Introduction to Basic Concept of Accounting	50) Consumer Protection Act 2019

करिअर कट्टा विद्यार्थी नोंदणी फॉर्म

1) नाव :- ………………………………………………………………………………

2) शिक्षण :- …………………………….

3) ई-मेल आयडी :-…………………………………………………………………..

4) मोबाईल नंबर : | | | | | | | | | | |

5) महाविद्यालयाचे नाव :- …………………………………………………………

   ……………………………………………………………………………… .

6) महाविद्यालयाचा कोड :- ………………………….

7) करिअर कट्टा कोर्सचे नाव :-
   - IAS आपल्या भेटीला | |
   - उद्योजक आपल्या भेटीला | |

8) जिल्हा :- ……………………………….

9) तालुका :- ……………………….

10) विद्यार्थ्यांची सही :- ……………………………