



Parvatibai Chowgule College of Arts and Science

Autonomous

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 Point Scale in 3rd cycle)
Best affiliated College-Goa University Silver Jubilee Year Award

Vision

To be among the global leaders in imparting relevant education of highest standards in a disciplined and conducive environment.

Mission

To continue to be pioneers of change using cutting edge educational inputs and technology, providing opportunities to all and inculcating social and moral values that will transform society and the nation at large.

CONTENT

1. About the College	3
2. Implementation of Autonomy From The Academic Year 2015-2016 onwards	7
3. A. Bachelor of Arts - B.A	53
B. Bachelor of Science - B.Sc.	65
C. Master of Arts -M.A.	75
4. Academic Calendar 2015- 16	77
5. Academic Programmes under Autonomy	78
6. Course Structure for Autonomous Programmes of B.A. and B. Sc	80

I

ABOUT THE COLLEGE

Parvatibai Chowgule College is a premier educational institution in the State of Goa, offering courses in Arts and Science at Graduate and Postgraduate levels. The National Assessment and Accreditation Council (NAAC) re-accredited this college in May 2014, in its 3rd cycle of accreditation. The college was given Grade 'A' with a cumulative grade point average (CGPA) score of 3.41 on a scale 0 to 4 scale, achieving the highest score given to any college in Goa thus far.

Goa University adjudged this institution as the "Best Affiliated College" at the time of its Silver Jubilee in the year 2009. Chowgule College was also awarded the Best Educational Institute award by Business Goa at their award ceremony for Corporate Excellence in 2014.

The University Grants Commission has also conferred autonomous status on this institution in June 2014.

HISTORY:

Parvatibai Chowgule College was founded in 1962 in Margao by late Shri. Vishwasrao Chowgule, in fond memory of his mother, Parvatibai Chowgule. Initially, the College was affiliated to the University of Bombay, and that affiliation was transferred to Goa University in 1986, after the latter was founded.

Since its inception, the College has always been at the forefront in educational innovation. In 1986, the College pioneered computer science education in Goa by starting a Post-Graduate Diploma in Computer Applications. In 2004, the College initiated post graduate programmes in Information Technology and Geography. In subsequent years, on the basis of prevalent societal needs, courses in Biotechnology and Psychology were introduced at undergraduate level, and post graduate diplomas in Geoinformatics and Human Genetics & Pathological Techniques were started. The College now offers a Post graduate diploma in Clinical Genetics, M.Sc. degree in Analytical Chemistry and Ph.D. programme in Botany, Hindi and Geography. To ensure that its students develop a professional edge along with academic knowledge, the College commenced the Honours Programme that continues to run since it was initiated in 2010-2011.

Today the College has twenty undergraduate and four post-graduate departments, offering wide variety of programmes and courses, some of which are unique in Goa.

The courses offered at undergraduate level in the Arts Stream are: *English, Hindi, Konkani, Marathi, French, Portuguese, Economics, Geography, Sociology, Mathematics, History, Philosophy, and Psychology*. Courses in the Science Stream are: *Botany, Chemistry, Computer Science, Geography, Geology, Mathematics, Physics, Zoology, and Biotechnology*. All these subjects are offered as six unit or three unit courses.

Creation of knowledge remains a priority in this institution, with faculty members of most departments actively involved in research activities. Thus, the College boasts of the fact that 45% of its faculty has Ph.D. research qualification. The College organizes numerous state / national / international conferences, workshops and seminars. Numerous faculty members have been awarded research grants by various state and national funding bodies viz. University Grants Commission, Department of Science and Technology, Department of Biotechnology of India, Indian Council for Social Science Research, ESRI-India, Mineral Foundation Goa, and Government of Goa, Water Works Department.

RECENT DEVELOPMENTS:

The Chowgule Education Society has initiated massive infrastructural development at the College. As a result of this, state-of-the-art infrastructure is available for curricular, co-curricular and extra-curricular activities. The infrastructure added over the last ten years includes: science laboratory block, multimedia-equipped auditoriums, classrooms, conference room, campus-wide Wi-Fi network, additional computer labs, web-based virtual infrastructure for teaching-learning (C-LAAP, C-mail, Online Library), computerized library, well equipped faculty offices, FIFA accredited football ground with field turf, multipurpose ground, gymnasium and fitness center, sports medicine and physiotherapy center, open-air seating arrangements, new canteen, well maintained rest-rooms, spacious well-laid four-wheeler and two-wheeler parking grounds and new administrative offices. The entire campus and the administrative buildings have been re-engineered. Many of the science departments have research laboratories to carry out extensive and specialized research.

This institution also renders various services that seek to provide motivation for students to excel. These support services include the Office of Information Technology, Estate Office, Student Support Services, Tiger's Sports School, Centralized Printing Facilities and a Shopping Centre.

Two prominent student guidance facilities available at the College are: Staff Advisory Programme (mentoring) and Student Support Services. Mentoring of students is an integral part of our educational system, providing guidance and encouragement. Mentors play a key role in this college as they nurture students and help them remain connected and engaged, thus strengthening their performance. Student Support Services of our College has various arms such as Writing Centre, Career & Personal Counseling Centre (CPCC), Business English Certificate (BEC) Training, Statistical Analysis Support Service (SASS), and Centre for Portuguese Language & Culture (CPLC).

Collaborations with other institutions abroad and within the nation helps students at Chowgules develop a global perspective. Thus, it has a Memorandum of Understanding (MoU) with *Instituto Camoes*, Portugal under the Foreign Ministry of Portugal, to encourage the learning of Portuguese language and deepen the understanding of Portuguese culture as also with University of Porto, Portugal for academic and research collaboration. It has international collaborations with educational institutions in Stockholm, Sweden and with Waseda University, Japan. The College also has signed an MoU with "Instituto Cervantes" - a body that operates under the Government of Spain and is its official centre for language and culture. Another Memorandum of Understanding exists between Chowgule College and Gogate Joglekar College, Ratnagiri, Maharashtra - itself an 'A' Grade College.

The College invites successful personalities from various fields on distinctive occasions to engage with students. Through these interactions students get a chance to communicate with people who have attained success in life through many adversities. Shri Chetan Bhagat, noted author and columnist, Shri Vishwanathan Anand, Five-time World Chess Champion, Shri Geet Sethi, Nine time World billiard Champion, Shrimati Nandita Das, Actress, Shri Agnello Dias, Ad-guru, Shri. Milkha Singhji, Padmashree award winner among others have graced the College with their presence. Departments also invite noted personalities in their field to engage

with students in a lively give and take. Shrimati Shashi Deshpande, noted author, Ex- RBI Deputy Governor Shrimati Usha Thorat were notable mentions among the host of invitees to the College. Internally famous educational researcher and winner of the TED 2013 prize, Dr. Sugata Mitra was another guest at Chowgule College.

The College has remained committed to its mission of being an agent of change, assisting not only its stakeholders but also, through them, the community and the nation at large. The institution seeks to actively create well rounded students with positive values, who go to become contributors to society. All this has been possible due to the support of the Chowgule Educational Society and the stakeholders of the College, to whom education is a matter of passion.

AUTONOMY

To further its continual aim of excellence in education, the College decided to pursue 'academic autonomy', this being granted by UGC and Goa University in August 2014. Such autonomy will give academic freedom to the College in providing education that is globally relevant. This will allow the institution to design its own programmes, courses, methods of instruction as well as evaluation system. Under its forthcoming autonomous mode, the College will migrate to a Choice Based Credit System (CBCS) and a semester-pattern of study.

In conjunction with the highest possible level of academic input, another key thrust is to help students develop necessary skills for employment. To that end, internships in actual work places will give students hands-on experience and preparation for entry into the world of employment. Among its various other expected outcomes, autonomy will promote healthy practices such as community service and extension activities for the benefit of society.

Chowgule College has been a pioneer in higher education since Goa's liberation, yet it refuses to rest on its laurels. Among its other initiatives, the acquisition of academic autonomy will propel this institution forward in its stride towards global leadership in imparting higher education that is simultaneously excellent in standard and relevant in application.

II
IMPLEMENTATION OF AUTONOMY
FROM THE ACADEMIC YEAR 2015-2016 ONWARDS

Introduction:

Parvatibai Chowgule College of Arts and Science offers a range of undergraduate and postgraduate degrees as well as postgraduate diploma programmes. Having been affiliated to Goa University, the College has been conferred with Academic Autonomy by the University Grants Commission, the Goa Government and the Goa University during the academic year 2014-15. The College will function as an autonomous institution from the academic year 2015-16, enrolling its first batch of students under new curriculum.

Students who were admitted to undergraduate programmes of First Year, Second Year and Third Year under Goa University's semester system during the academic year 2014-15 shall continue to be under the same affiliating system.

The new course structure being offered by the Autonomous College provides students an opportunity to study under the Choice Based Credit System (CBCS). Thus, students will be able to select subjects of their choice, based on their individual aptitudes and career goals. The CBCS also provides a 'cafeteria' type approach in which the students can take courses of their choice, learn at their own pace, undergo additional courses and acquire more than the required credits, while adopting an interdisciplinary approach to learning.

With respect to gradation, a uniform grading system will be implemented, given its significant benefits over the conventional marks system. Numerous educational institutions of repute in this nation and abroad have also opted for grading, given its merits. The grading system at Chowgule College will facilitate student mobility across institutions within and across countries, while also enabling potential employers to assess the performance of students. The college has formulated guidelines based on the UGC recommendations to produce uniformity in the grading system and in the computation of the cumulative grade point average (CGPA) based on the performance of students in the examinations.

Another progressive change being implemented is the credit based semester system. It provides flexibility in designing curriculum and assigning credits based on the course content and hours

of teaching. The semester system thus accelerates the teaching-learning process and enables vertical and horizontal mobility in learning.

Aims and Objectives:

Aims:

- 1. To be able to respond to the needs of rapidly changing times:** The College has been in the affiliating system for fifty years, initially under Bombay University and since 1986, under Goa University. As an institution of higher education, it is vital that this College has the necessary flexibility and freedom to design curriculum, syllabi, teaching-learning methods and evaluation methods that best meet contemporary needs.
- 2. To be able to address the specific needs of our students:** The College wants to offer programmes and subject choices to students that would improve their competitive profiles both in the employment market and in higher education.
- 3. To be able to introduce innovations:** The College would like to bring about necessary change in teaching and evaluation methodologies that would help make education learner-centric.
- 4. To adopt healthy practices:** The College seeks to adopt healthy practices such as community service, extension activities and neighbourhood programmes and integrate these with the main curriculum.

Objectives:

The key objective is to address important requirement-related issues raised by employers about higher education in India and provide an upward educational mobility to students.

The College endeavours to provide its students with good communication skills, develop their problem solving abilities, help them to think outside the box and find new ways of doing things, and to provide them with skills that aim at tackling the problems of “know how” and “know why” - i.e. develop in them the ability to question and engage deeply, enable them to take responsibility for their careers in acquiring new skills and develop a professional and ethical personality.

Grading System:

The grading system shall apply to all undergraduate programmes under the credit system awarded by the College.

Definitions of Key Words:

1. **Academic Year:** Two consecutive (one odd + one even) semesters constitute one academic year.
2. **Choice Based Credit System (CBCS):** The CBCS enables students to make a selection from the prescribed courses (core, elective or minor or soft skill courses).
3. **Course:** Usually referred to as 'papers', and is a component of a programme. All courses need not carry the same weight. The courses should define learning objectives and learning outcomes. A course may be designed to comprise lectures/ tutorials/laboratory work/ field work/ outreach activities/ project work/ vocational training/viva/ seminars/ term papers/assignments/ presentations/ self-study etc. or a combination of some of these.
4. **Core Courses:** Core courses are those that are basic and essential to acquire the required expertise in a subject.
5. **Elective Courses:** Elective courses are those that a student can select from the alternatives offered in the subject as per the interest of the student.
6. **Foundation Courses:** Foundation courses are those that provide basics skills that can be transferred across disciplines.
7. **Credit Based Semester System (CBSS):** Under the CBSS, the requirement for awarding a degree or diploma or certificate is prescribed in terms of number of credits to be completed by students.
8. **Credit Point:** It is the product of grade point and number of credits for a course.
9. **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.
10. **Cumulative Grade Point Average (CGPA):** It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.
11. **Grade Point:** It is a numerical weight allotted to each letter grade on a 10-point scale.

12. **Letter Grade:** It is an index of the performance of students in a given course. Grades are denoted by letters O, A+, A, B+, B, C, P and R.
13. **Programme:** An educational programme leading to award of a degree, diploma or certificate.
14. **Semester Grade Point Average (SGPA):** It is a measure of performance of work done in a semester. It is the ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.
15. **Semester:** Each semester will consist of 15 weeks of academic work. The odd semester may be scheduled from June to November and even semester from December to May, including breaks and vacations.
16. **Transcript or Grade Card or Certificate:** Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester.

Under the CBCS the undergraduate degree programme is of three years duration and consists of six semesters. A student needs to offer a minimum of 130 credits to complete the programme. The B.A. programme is offered in thirteen different subjects and the B.Sc. programme is offered in nine different subjects.

Autonomy Ordinance (AO) relating to the Three Years Undergraduate programme in Arts and Science under Autonomy:

Degree to be awarded:

Though autonomous status is conferred by UGC, the College continues to be affiliated to Goa University and degrees will be awarded by Goa University indicating the name of the College.

The following courses shall be conducted:

Undergraduate Degree:

- (a) Bachelor of Arts (B.A.)
- (b) Bachelor of Science (B.Sc.)

Duration of course:

The afore-mentioned Undergraduate Degree Courses shall each have duration of three academic years. Every academic year shall consist of two semesters.

Eligibility for admission:

The College shall adopt the ordinance **OC-45.2** of Goa University with certain amendments.

AO-1: Eligibility for admission to Undergraduate Programme

Eligibility for admission to the undergraduate programme leading to the degrees of Bachelor of Arts and Bachelor of Science shall be as follows.

AO-1.1: Eligibility for admission to Semester - I and Semester - II (in the first year) B. A. course

- (A) To be eligible for admission to the Semester-I of the Three Year course leading to the degree of Bachelor of Arts, the candidate should have passed (i) the Higher Secondary School Certificate (Std. XII) examination conducted by the Goa Board of Secondary and Higher Secondary Education in the Arts / Commerce stream, **OR** (ii) the Higher Secondary School Certificate (Std. XII) examination conducted by the Goa Board of Secondary and Higher Secondary Education in the Vocational stream in the subjects notified by the University under this clause from time to time, **OR** (iii) Std XII (Arts) or similar examination of any another body, equivalent to Goa Board of Secondary and Higher Secondary Education, Goa, and recognized as such by Goa University.
- (B) A candidate satisfying the conditions laid down by the University for admission to the Semester-I course in B. Sc. / B. Com. shall also be eligible for admission to the Semester-I of B. A. course.
- (C) A candidate not covered under any of the above categories but desirous of seeking admission to the said course may apply to the college. However, the Principal along with the Dean of concerned Faculty and the Chairperson(s) of Board(s) of Studies of concerned subjects shall decide the eligibility.
- (D) A candidate admitted for Semester-I shall be deemed eligible for admission to Semester-II.

AO-1.2: Eligibility for admission to Semester-I and Semester-II (in the first year) B. Sc. course

- (A) To be eligible for admission to the Semester-I of the three years course leading to the degree of Bachelor of Science, the candidate should have passed (i) the Higher Secondary School Certificate (Std. XII) examination conducted by the Goa Board of Secondary and Higher Secondary Education in the Science stream, OR (ii) the Higher Secondary Certificate (Std. XII) Examination conducted by the Goa Board of Secondary and Higher Secondary Education in the Vocational stream in the subjects notified by the University, under this clause, from time to time, OR (iii) Std XII (Science) or similar examination of another body equivalent to Goa Board of Secondary and Higher Secondary Education, Goa and recognised as such by Goa University.
- (B) A candidate not covered under any of the above categories but desirous of seeking admission to the said course may apply to the college. However, the Principal along with the Dean of concerned Faculty and the Chairperson(s) of Board(s) of Studies of concerned subjects shall decide the eligibility.
- (C) A candidate admitted for Semester-I shall be deemed eligible for admission to Semester-II.

AO-1.3 : Eligibility for admission to Semester-III, IV, V and VI of B.A./ B. Sc. course

- (A) A student will be eligible to be admitted to each of the semester on completion of the previous semester.
- (B) A student migrating from any other recognized University may be considered for admission to Semester-III of the B. A./ B. Sc. provided: (a) he/she has passed the First Year B. A./ B. Sc. examination in all subjects from that University, (b) he/she had offered at the First Year the same subjects as prescribed under Major category available under the scheme of this College, (c) he/she undertakes to successfully complete the core courses prescribed by this College for Semesters-I & II, if he/she has not already done so in the previous University. Result of Semester IV examination shall be withheld if the candidate fails to fulfil this undertaking.
- (C) A student migrating from any other recognized University may be considered for admission to Semester-V of the B. A. /B. Sc. Course provided: (a) he/she has passed the Second Year B. A. /B. Sc. Examination in all subjects from that University, and (b) he/she had offered at the First and Second Year the same subjects as prescribed under Major category available under the scheme of this College, (c) he/she undertakes to successfully complete the core courses

prescribed by this College for Semesters-I, II, III and IV if he/she has not already done so in the previous University. Result of Semester VI examination shall be withheld if the candidate fails to fulfil this undertaking.

(D) Direct admission to Semester-IV and VI shall not be permitted.

AO-2: Class strength:

Maximum number of students in a class/division shall not exceed sixty and eighty in Arts and Science faculty respectively.

AO-3: Types of Courses:

Courses in a B.A./B.Sc. programme shall be of three kinds: **Core, Elective** and **Foundation**.

(A) Core Course:

There shall be a Core Course(s) in every semester. This is the course which is to be compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study.

(B) Elective Course:

Elective course is a course which can be chosen from a pool of papers. It may:

- i. Support the discipline of study
- ii. Provide an expanded scope
- iii. Enable an exposure to some other discipline/domain
- iv. Nurture student's proficiency/skill.

(C) Foundation Course:

"Foundation Course(s)" are based on content that leads to knowledge enhancement. They are mandatory for all disciplines.

AO-3.1: Structure of Undergraduate Programme in Arts (B.A.)

The structure of three year degree programme in B.A. is given below.

The B.A. programme is offered in thirteen different subjects- English, French, Hindi, Konkani, Marathi, Portuguese, Economics, Geography, History, Mathematics, Philosophy, Psychology and Sociology.

The B.A. programme is structured into four components:

Component A: This consists of 21 courses, with 4 credits per course. A student has to complete 84 credits under this component as per the choice of subject/s. They can choose any one of three options:

Option I: Single Major: A student shall choose any one subject from stated above, as Major.

Option II: Major-Minor: A student shall choose any two subjects from stated above, one subject as Major and the other as Minor.

Option III: Double Major: A student shall choose any two subjects from stated above as Major.

Course Structure for Autonomous Programmes of B.A. and B. Sc.

STRUCTURE		CREDITS	CORE COURSES	Major + Project	Minor	Elective	
Component A (84Credits) Core Courses	CHOICE 1	32+4	8 Core Courses (Major) + Project Paper	8 + 1			
	Single Major	48	12 Elective Courses (Major)		--	12	
	CHOICE 2	32+4	8 Core courses (Major) + Project Paper	8 + 1			
	Major and Minor	24	6 Core Course (Minor)			6	
		24	6 Elective Course (Major)				6
	CHOICE 3	32+4	8 Core Courses (Major 1) + Project Paper	8 + 1	--		
	Double Major	32	8 Core Courses (Major 2)	8	--		
16		2+2 Elective Courses (Major 1 / Major 2)				4	
STRUCTURE		CREDITS	FOUNDATION COURSES	Compulsory	Elective		
Component B (36 Credits) Foundation Courses	Foundation Courses	4 + 4	A. Language (Option Offered)	2			
		4 + 4	B. (1) Academic Writing (2) Cyber Security	2			
		2 + 2	C. Environmental Studies	2			
		4 + 4	D. (1) (a) <u>Statistical Methods</u> (For Economics, Geography, Psychology, Botany, Biotechnology, Chemistry, Computer Science, Geology, Mathematics, Physics and Zoology) (b) <u>Elements of Basic Statistics</u> (For English, French, Hindi, Konkani, Marathi, History, Philosophy and Sociology) (2) Research Writing	2			
		4 + 4	E. Interdisciplinary Courses		2		
Component C (6 Credits)	Extra-curricular	2	Music or Arts or Exchange Program		1		
		2	Sports		1		
		2	NCC or NSS		1		
Component D (4 Credits)	Internship	4	Internship (Minimum One Month)	1			
Abbreviations: CC – Core Course EC –Elective Course CP – Core Project CM – Core Minor FC – Foundation Course I – Internship							

Core Courses (CC), Elective Courses (EC) and Credits:

Subjects offered in above options shall have Core Courses (CC) and Elective Courses (EC) courses. Students are also permitted to choose from the elective courses offered in a subject. Core Courses (CC) and Elective Courses (EC) shall have 4 credits each and each credit shall be of 15 contact hours. Each contact hour (instructional period) shall be of 60 minutes duration.

Core Courses (CC) and Elective Courses (EC) in experimental subjects such as Geography and Psychology in Social Sciences shall have 3 theory credits and 1 practical credit each. Each theory credit shall be of 15 contact hours. Each contact hour (instructional period for theory component) shall be of 60 minutes duration. Credit in practicals shall have two hours duration.

Option I: Single Major

Students choosing a Single Major option will complete:

- 8 Core Courses of 32 credits,
- 12 Elective courses of 48 credits,
- A project course of 4 credits.

Option II: Major–Minor

Students choosing a Major – Minor option will complete:

- 8 Core courses of 32 credits in the major subject,
- 6 Elective courses of 24 credits in the major subject,
- 6 Core courses of 24 credits in the minor subject,
- A project course of 4 credits in the major subject.

Option III: Double Major

Students choosing a double major option will complete:

- 8 Core Courses of 32 credits in the first major subject,
- 8 Core Courses of 32 credits in second major subject,
- 2 Elective Courses of 8 credits in the first major subject,
- 2 Elective Courses of 8 credits in the second major subject,
- A project course of 4 credits in either of the major subjects.

Component B: This consists of 9 courses, with each course having 4 credits each. A student has to complete 36 credits under this component. This component has courses in: Language (two courses), Academic Writing, Research Writing, Statistics, Cyber Security, Environmental Studies and any two Interdisciplinary courses.

Component C: This consists of 3 extra-curricular activities each of 2 credits. A student has to complete 6 credits under this component. The activities are: NCC or NSS, Performing Arts or Music and Sports. These activities are mandatory for students.

Component D: This consists of internship of 4 credits. The duration of internship is a minimum of four weeks. Students can choose to do their internship during any of the first four semester breaks of their studentship.

AO-3.2: Structure of Undergraduate Programme in Science (B.Sc.)

The structure of three year degree programme in B.Sc. is given below.

The B.Sc. programme is offered in nine different subjects: Biotechnology, Botany, Chemistry, Computer Science, Geography, Geology, Mathematics, Physics and Zoology.

The B.Sc. programme is structured into four components:

Component A: This consists of 21 courses, with 4 credits per course. A student has to complete 84 credits under this component as per the choice of subject/s. They can choose any one of three options:

Option I: Single Major: A student shall choose any one subject from stated above, as Major.

Option II: Major-Minor: A student shall choose any two subjects from stated above, one subject as Major and the other as Minor.

Option III: Double Major: A student shall choose any two subjects from stated above, as Major.

Core Courses (CC), Elective Courses (EC) and Credits:

Subjects offered in above options shall have Core Courses (CC) and Elective Courses (EC). Students are also permitted to choose from the elective courses offered in a subject. Core Courses (CC) and Elective Courses (EC) shall have 4 credits each, of which 3 credits are for theory and 1 credit for practical. Each theory credit shall be of 15 contact hours. Each contact hour (instructional period for theory component) shall be of 60 minutes duration. Each credit in practicals shall have two hours duration.

Option I: Single Major

Students choosing a Single Major option will complete:

- 8 Core Courses of 32 credits,
- 12 Elective courses of 48 credits,
- A project course of 4 credits.

Option II: Major–Minor

Students choosing a Major – Minor option will complete:

- 8 Core courses of 32 credits in the major subject,
- 6 Elective courses of 24 credits in the major subject,
- 6 Core courses of 24 credits in the minor subject,
- A project course of 4 credits in the major subject.

Option III: Double Major

Students choosing a double major option will complete:

- 8 Core Courses of 32 credits in the first major subject,
- 8 Core Courses of 32 credits in second major subject,
- 2 Elective Courses of 8 credits in the first major subject,
- 2 Elective Courses of 8 credits in the second major subject,
- A project course of 4 credits in either of the major subjects.

Component B: This consists of 9 courses, with each course carrying 4 credits. Thus, a student has to complete 36 credits under this component. This component has courses in: Language (two courses), Academic Writing, Research Writing, Statistics, Cyber Security, Environmental Studies and any two Interdisciplinary courses.

Component C: This consists of 3 extra-curricular activities, each activity carrying 2 credits. Thus, a student has to complete 6 credits under this component. The activities are: NCC or NSS, Performing Art or Music and Sports. These activities are mandatory for students.

Component D: This consists of internship of 4 credits. The duration of internship is a minimum of four weeks. Students can choose to do their internship during any of the first four semester breaks of their studentship.

AO-3.3: Semester wise distribution of core courses and elective courses in Bachelor of Arts (B.A.) shall be as below:

Option I: Single Major:

Distribution of Courses (Single Major) - ARTS						
Semesters	I	II	III	IV	V	VI
Courses	2CC	2CC	CC	CC	CC	CC
	FC - A	FC - A	3EC	3EC	3EC	3EC
	FC - B (2)	FC - B (1)	FC - C	FC - C	FC - E	FC - E
	FC - D (1) (a) / FC - D (1) (b)		FC - D (2)		PROJ	PROJ

SEMESTER-I:

- (i) Two Core courses (CC)
- (ii) One course in Cyber Security (FC - B (2)).
- (iii) One course in Language (FC - A)
- (iv) One course in Statistical Methods (FC - D (1) (a)) (Economics, Geography, Mathematics & Psychology) / One course in Elements of Basic Statistics (FC - D (1) (b)) (English, French, Hindi, Konkani, Marathi, History, Philosophy, Sociology)

Instructional Periods: Each course in (i) to (iv) above shall have four instructional periods per week.

Maximum Marks: The courses under (i) to (iv) above shall carry 100 marks each.

Note: Notwithstanding the selection of subject/s and/or option at the Semester-I at the time of admission, the Principal of the college may permit a student to change subject/s and/or option chosen by the student within a period of **fifteen days** from the reopening of the college.

SEMESTER-II:

- (i) Two Core courses in the same subject offered in semester I (CC)
- (ii) One course in Academic writing (FC - B (1)).
- (iii) One course in the same Language which is offered in semester I (FC - A)

Instructional Periods: Each course in (i) to (iii) above shall have four instructional periods per week.

Maximum Marks: The courses under (i) to (iii) above shall carry 100 marks each.

SEMESTER-III:

- (i) One Core course in the same subject offered in semester I and II (CC)
- (ii) Three Elective courses (EC)
- (iii) One course in Research Writing (FC - D (2))
- (iv) One course in Environmental Studies (FC - C)

Instructional Periods: Each course in (i) to (iii) above shall have four instructional periods per week and course (iv) above shall have two instructional periods per week.

Maximum Marks: The courses under (i) to (iii) above shall carry 100 marks each and course (iv) above shall carry 50 marks.

Note: Notwithstanding the selection of electives courses at Semester-III, the Principal of the college may permit a student to change electives courses chosen by the student within a period of **fifteen days** from the commencement of the semester.

SEMESTER-IV:

- (i) One Core course in the same subject offered in semester I, II and III (CC)
- (ii) Three Elective courses (EC)
- (iii) One course in Environmental Studies (FC - C)

Instructional Periods: Each course in (i) to (ii) above shall have four instructional periods per week and course (iii) above shall have two instructional periods per week.

Maximum Marks: The courses under (i) to (ii) above shall carry 100 marks each and course (iii) above shall carry 50 marks.

Note: Notwithstanding the selection of electives courses at Semester-IV, the Principal of the college may permit a student to change electives courses chosen by the student within a period of **fifteen days** from the commencement of the semester.

SEMESTER-V:

- (i) One Core course in the same subject offered in semester I, II, III and IV (CC)
- (ii) Three Elective courses (EC)
- (iii) One Interdisciplinary (FC - E) course
- (iv) Project

Instructional Periods: Each course in (i) to (iii) above shall have four instructional periods per week and course (iv) above shall have two instructional periods per week.

Maximum Marks: The courses under (i) to (iii) above shall carry 100 marks each. Project work carried in semester V and VI shall be assessed at the end of semester VI and shall carry 100 marks.

Note: Notwithstanding the selection of Elective courses at Semester-V, the Principal of the college may permit a student to change Elective courses chosen by the student within a period of **fifteen days** from the commencement of the semester.

SEMESTER-VI:

- (i) One Core course in the same subject offered in semester I, II, III, IV and V (CC)
- (ii) Three Elective courses (EC)
- (iii) One Interdisciplinary (FC - E) course
- (iv) Project

Instructional Periods: Each course in (i) to (iii) above shall have four instructional periods per week and course (iv) above shall have two instructional periods per week.

Maximum Marks: The courses under (i) to (iii) above shall carry 100 marks each. Project work carried in semester V and VI shall be assessed at the end of semester VI and shall carry 100 marks.

Note: Notwithstanding the selection of core electives at Semester-VI, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

Option II: Major-Minor:

Distribution of Courses (Major - Minor) - ARTS						
Semesters	I	II	III	IV	V	VI
Courses	2CC	2CC	CC	CC	CC	CC
	FC - A	FC - A	EC	EC	2EC	2EC
	FC - B (2)	FC - B (1)	FC - C	FC - C	FC - E	FC - E
	CCm	CCm	CCm	CCm	CCm	CCm
	FC - D (1) (a) / FC - D (1) (b)		FC - D (2)		PROJ	PROJ

SEMESTER-I:

- (i) Two Core courses of Major subject (CC)
- (ii) One course in Cyber Security (FC - B (2)).
- (iii) One course in Language (FC - A).
- (iv) One Core course in Minor subject (CCm)
- (v) One course in Statistical Methods (FC - D (1)
 - (a) (Economics, Geography, Mathematics & Psychology) /One course in Elements of Basic Statistics (FC - D (1))
 - (b) (English, French, Hindi, Konkani, Marathi, History, Philosophy, Sociology)

Instructional Periods: Each course in (i) to (v) above shall have four instructional periods per week.

Maximum Marks: The courses under (i) to (v) above shall carry 100 marks each.

Note: Notwithstanding the selection of subject/s and/or option at the Semester-I at the time of admission, the Principal of the college may permit a student to change subject/s and/or option chosen by the student within a period of **fifteen days** from the reopening of the college.

SEMESTER-II:

- (i) Two Core courses in the same Major subject offered in semester I (CC)
- (ii) One course in Academic writing (FC - B (1)).
- (iii) One course in the same Language which is offered in semester I (FC - A).
- (iv) One Core course in Minor subject (CCm)

Instructional Periods: Each course in (i) to (iv) above shall have four instructional periods per week.

Maximum Marks: The courses under (i) to (iv) above shall carry 100 marks each.

SEMESTER-III:

- (i) One Core course in the same Major subject offered in semester I and II (CC)
- (ii) One Elective course (EC)
- (iii) One course in Research Writing (FC - D (2))
- (iv) One Core course in Minor subject (CCm)
- (v) One course in Environmental Studies (FC - C)

Instructional Periods: Each course in (i) to (iv) above shall have four instructional periods per week and course (v) above shall have two instructional periods per week.

Maximum Marks: The courses under (i) to (iv) above shall carry 100 marks each and course (v) above shall carry 50 marks.

Note: Notwithstanding the selection of core electives at Semester-III, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester

SEMESTER-IV:

- (i) One Core course in the same Major subject offered in semester I, II and III (CC)
- (ii) One Elective course (EC)
- (iii) One Core course in Minor subject (CCm)
- (iv) One course in Environmental Studies (FC - C)

Instructional Periods: Each course in (i) to (iii) above shall have four instructional periods per week and course (iv) above shall have two instructional periods per week.

Maximum Marks: The courses under (i) to (iii) above shall carry 100 marks each and course (iv) above shall carry 50 marks.

Note: Notwithstanding the selection of core electives at Semester-IV, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

SEMESTER-V:

(i) One Core course in the same Major subject as offered in semester I, II, III and IV (CC)

(ii) Two Elective courses (EC)

(iii) One course in Interdisciplinary (FC - E)

(iv) One Core course in Minor subject (CCm)

(v) Project

Instructional Periods: Each course in (i) to (iv) above shall have four instructional periods per week and course (v) above shall have two instructional periods per week.

Maximum Marks: The courses under (i) to (iv) above shall carry 100 marks each. Project work carried in semester V and VI shall be assessed at the end of semester VI and shall carry 100 marks.

Note: Notwithstanding the selection of core electives at Semester-V, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

SEMESTER-VI:

(i) One Core course in the same subject offered in semester I, II, III, IV and V (CC)

(ii) Two Elective courses (EC)

(iii) One Interdisciplinary (FC - E) course

(iv) One Core course in Minor subject (CCm)

(v) Project

Instructional Periods: Each course in (i) to (iv) above shall have four instructional periods per week and course (v) above shall have two instructional periods per week.

Maximum Marks: The courses under (i) to (iv) above shall carry 100 marks each. Project work carried in semester V and VI shall be assessed at the end of semester VI and shall carry 100 marks.

Note: Notwithstanding the selection of core electives at Semester-VI, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

Option III: Double Major:

Distribution of Courses (Double Major) - ARTS						
Semesters	I	II	III	IV	V	VI
Courses	2CC - 1	2CC - 1	CC - 1	CC - 1	CC - 1	CC - 1
			EC-1	EC-1	EC-2	EC-2
	FC - A	FC - A	2FC - B (2)	FC - B (1),	FC - C	FC - C
	2CC - 2	2CC - 2	CC - 2	CC - 2	CC - 2	CC - 2
	FC - D (1) (a) / FC - D (1) (b)					
				2FC - D (2)		FC - E PROJ

SEMESTER-I:

(i) Two Core courses of Major subject I (CC)

(ii) One course in Language (FC - A)

(iii) Two Core courses of Major subject II (CC)

(iv) One course in Statistical Methods (FC - D (1))

(a) (Economics, Geography, Mathematics & Psychology) / One course in Elements of Basic statistics (FC - D (1))

(b) (English, French, Hindi, Konkani, Marathi, History, Philosophy, Sociology)

Instructional Periods: Each course in (i) to (iv) above shall have four instructional periods per week.

Maximum Marks: The courses under (i) to (iii) above shall carry 100 marks each.

Note: Notwithstanding the selection of subject/s and/or option at the Semester-I at the time of admission, the Principal of the college may permit a student to change subject/s and/or option chosen by the student within a period of **fifteen days** from the reopening of the college.

SEMESTER-II:

- (i) Two Core courses of Major subject I (CC)
- (ii) One course in the same Language which is offered in semester I (FC - A)
- (iii) Two Core courses of Major subject II (CC)

Instructional Periods: Each course in (i) to (iii) above shall have four instructional periods per week.

Maximum Marks: The courses under (i) to (iii) above shall carry 100 marks each.

SEMESTER-III:

- (i) One Core course in the same Major subject I offered in semester I and II (CC)
- (ii) One Elective course in Major subject I (EC)
- (iii) One course in Cyber Security (FC - B (2))
- (iv) One course in Research Writing (2FC - D (2))
- (v) One Core course in the same Major subject II offered in semester I and II (CC)

Instructional Periods: Each course in (i) to (v) above shall have four instructional periods per week.

Maximum Marks: The courses under (i) to (v) above shall carry 100 marks each.

Note: Notwithstanding the selection of core electives at Semester-III, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

SEMESTER-IV:

- (i) One Core course in the same Major subject I offered in semester I, II and III (CC)
- (ii) One Elective course in Major subject I (EC)
- (iii) One course in Academic Writing (FC - B (2))
- (iv) One Core course in the same Major subject II offered in semester I, II and III (CC)

Instructional Periods: Each course in (i) to (iv) above shall have four instructional periods per week.

Maximum Marks: The courses under (i) to (iv) above shall carry 100 marks each.

Note: Notwithstanding the selection of core electives at Semester-IV, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

SEMESTER-V:

- (i) One Core course in the same Major subject I offered in semester I, II, III and IV (CC)
- (ii) One Elective course in Major subject II (EC)
- (iii) One Interdisciplinary (FC - E) course
- (iv) One Core course in the same Major subject II offered in semester I, II, III, IV (CC)
- (v) One course in Environmental Studies (FC - C)
- (vi) Project

Instructional Periods: Each course in (i) to (iv) above shall have four instructional periods per week, course (v) to (vi) above shall have two instructional periods per week.

Maximum Marks: The courses under (i) to (iv) above shall carry 100 marks each and course (v) above shall carry 50marks. Project work carried in semester V and VI shall be assessed at the end of semester VI and shall carry 100 marks.

Note: Notwithstanding the selection of core electives at Semester-V, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

SEMESTER-VI:

- (i) One Core course in the same Major subject I offered in semester I, II, III,IV,V (CC)
- (ii) One Elective course in Major subject II (EC)
- (iii) One Interdisciplinary (FC - E) course
- (iv) One Core course in the same Major subject II offered in semester I, II, III, IV, V (CC)
- (v) One course in Environmental Studies (FC - C)
- (vi) Project

Instructional Periods: Each course in (i) to (iv) above shall have four instructional periods per week, course (v) to (vi) above shall have two instructional periods per week.

Maximum Marks: The courses under (i) to (iv) above shall carry 100 marks each and course (v) above shall carry 50marks. Project work carried in semester V and VI shall be assessed at the end of semester VI and shall carry 100 marks.

Note: Notwithstanding the selection of core electives at Semester-VI, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

AO-3.4: Semester wise distribution of Core Courses and Elective courses in Bachelor of Science (B.Sc.) shall be as below.

Option I: Single Major:

Distribution of Courses (Single Major) - SCIENCE						
Semesters	I	II	III	IV	V	VI
Courses	2CC	2CC	CC	CC	CC	CC
	FC - A	FC - A	3EC	3EC	3EC	3EC
	FC - B (1)	FC - B (2)	FC - C	FC - C	FC - E	FC - E
		FC - D (1) (a)		FC - D (2)	PROJ	PROJ

SEMESTER-I:

- (i) Two Core courses (CC)
- (ii) One course in Academic Writing (FC - B (1)).
- (iii) One course in Language (FC - A).

Instructional Periods: Each course in (i) above shall have three instructional periods per week for the Theory component and two instructional periods for the Practical component. However, for courses having Theory component only, there shall be four instructional periods per week. Each course in (ii) and (iii) above shall have four instructional periods per week.

Maximum Marks: The courses in (i) above shall carry 100 (75 marks for Theory and 25 marks for Practicals component) marks each. The courses without Practical component shall carry 100 marks.

Note: Notwithstanding the selection of subject/s and/or option at the Semester-I, at the time of admission, the Principal of the college may permit a student of Semester-I B.Sc. admitted to change subject/s and/or option taken by the student within a period of **fifteen days** from the reopening of the college.

SEMESTER-II:

- (i) Two Core courses in the same subject offered in semester I (CC)
- (ii) One course in Cyber Security (FC - B (2)).
- (iii) One course in the same Language which is offered in semester I (FC - A).
- (iv) One course in Statistical Methods ((FC - D (1) (a)).

Instructional Periods: Each course in (i) above shall have three instructional periods per week for the Theory component and two instructional periods for the Practical component. However, for courses having Theory component only, there shall be four instructional periods per week. Each course in (ii) to (iv) above shall have four instructional periods per week.

Maximum Marks: The courses in (i) above shall carry 100 (75 marks for Theory and 25 marks for Practical component) marks each. The courses without Practical component shall carry 100 marks.

SEMESTER-III:

- (i) One Core course in the same subject offered in semester I and II (CC)
- (ii) Three Elective courses (EC).
- (iii) One course in Environmental Studies (FC - C)

Instructional Periods: Each course in (i) and (ii) above shall have three instructional periods per week for the Theory component and two instructional periods for the Practical component. However, for courses having Theory component only, there shall be four instructional periods per week. The course in (iii) above shall have two instructional periods per week.

Maximum Marks: The courses in (i) and (ii) above shall carry 100 (75 marks for Theory and 25 marks Practical component) marks each. The courses without Practical component shall carry 100 marks and (iii) above shall carry 50 marks.

Note: Notwithstanding the selection of elective courses at Semester-III, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

SEMESTER-IV:

- (i) One Core course in the same subject offered in semester I, II and III (CC)
- (ii) Three Elective courses (EC)
- (iii) One course in Research writing (FC - D (2))
- (iv) One course in Environmental Studies (FC - C)

Instructional Periods: Each course in (i) and (ii) above shall have three instructional periods per week for the Theory component and two instructional periods for the Practical component. However, for courses having Theory component only, there shall be four instructional periods per week. The course in (iii) above shall have four instructional periods per week and the course in (iv) above shall have two instructional periods per week..

Maximum Marks: The courses in (i) and (ii) above shall carry 100 (75 marks for Theory and 25 marks for Practical component) marks each. The courses without Practical component shall carry 100 marks and (iv) above shall carry 50 marks.

Note: Notwithstanding the selection of elective courses at Semester-IV, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

SEMESTER-V:

- (i) One Core course in the same subject offered in semester I, II, III and IV (CC)
- (ii) Three Elective courses (EC)
- (iii) One Interdisciplinary (FC - E) course
- (iv) Project

Instructional Periods: Each course in (i) to (iii) above shall have three instructional periods per week for the Theory component and two instructional periods for the Practical component. However, for courses having Theory component only, there shall be four instructional periods per week and course (iv) above shall have two instructional periods per week.

Maximum Marks: The courses in (i) to (iii) above shall carry 100 (75 marks for Theory and 25 marks Practical component) marks each. The courses without Practical component shall carry 100 marks. Project work carried in semester V and VI shall be assessed at the end of semester VI and shall carry 100 marks.

Note: Notwithstanding the selection of elective courses at Semester-V, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

SEMESTER-VI:

- (i) One Core course in the same subject offered in semester I, II, III, IV and V (CC)
- (ii) Three Elective courses (EC)
- (iii) One Interdisciplinary (FC - E) course
- (iv) Project

Instructional Periods: Each course in (i) to (iii) above shall have three instructional periods per week for the Theory component and two instructional periods for the Practical component. However, for courses having Theory component only, there shall be four instructional periods per week and course (iv) above shall have two instructional periods per week..

Maximum Marks: The courses in (i) to (iii) above shall carry 100 (75 marks for Theory and 25 marks for Practical component) marks each. The courses without Practical component shall carry 100 marks. Project work carried in semester V and VI shall be assessed at the end of semester VI and shall carry 100 marks.

Note: Notwithstanding the selection of core electives at Semester-VI, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

Option II: Major-Minor:

Distribution of Courses (Major - Minor) - SCIENCE						
Semesters	I	II	III	IV	V	VI
Courses	2CC	2CC	CC	CC	CC	CC
	FC - A	FC - A	EC	EC	2EC	2EC
	FC - B (1)	FC - B (2)	FC - C	FC - C	FC - E	FC - E
	CCm	CCm	CCm	CCm	CCm	CCm
		FC - D (1) (a)		FC - D (2)	PROJ	PROJ

SEMESTER-I:

- (i) Two Core courses of Major subject (CC)
- (ii) One course in Academic Writing (FC - B (1)).
- (iii) One course in Language (FC - A)
- (iv) One Core course in Minor subject (CCm)

Instructional Periods: Each course in (i) and (iv) above shall have three instructional periods per week for the Theory component and two instructional periods for the Practical component. However, for courses having Theory component only, there shall be four instructional periods per week. Each course in (ii) and (iii) above shall have four instructional periods per week.

Maximum Marks: The courses in (i) and (iv) above shall carry 100 (75 marks for Theory and 25 marks for Practical component) marks each. The courses without Practical component shall carry 100 marks.

Note: Notwithstanding the selection of subject/s and/or option at the Semester-I, at the time of admission, the Principal of the college may permit a student of Semester-I B.Sc. admitted to change subject/s and/or option taken by the student within a period of **fifteen days** from the reopening of the college.

SEMESTER-II:

- (i) Two Core courses in the same Major subject offered in semester I (CC)
- (ii) One course in Cyber Security (FC - B (2)).
- (iii) One course in the same Language which is offered in semester I (FC - A)
- (iv) One Core course in Minor subject (CCm)
- (v) One course in Statistical Methods (FC - D (1) (a))

Instructional Periods: Each course in (i) and (iv) above shall have three instructional periods per week for the Theory component and two instructional periods for the Practical component. However, for courses having Theory component only, there shall be four instructional periods per week. Each course in (ii), (iii) and (v) above shall have four instructional periods per week.

Maximum Marks: The courses in (i) and (v) above shall carry 100 (75 marks for Theory and 25 marks Practical component) marks each. The courses without Practical component shall carry 100 marks.

SEMESTER-III:

- (i) One Core course in the same Major subject offered in semester I and II (CC)
- (ii) One Elective course (EC)
- (iii) One Core course in Minor subject (CCm)
- (iv) One course in Environmental Studies (FC - C)

Instructional Periods: Each course in (i) to (iii) above shall have three instructional periods per week for the Theory component and two instructional periods for the Practical component. However, for courses having Theory component only, there shall be four instructional periods per week. Course in (iv) above shall have two instructional periods per week and course.

Maximum Marks: The courses in (i), (ii) and (iii) above shall carry 100 (75 marks for Theory and 25 marks Practical component) marks each. The courses without Practical component shall carry 100 marks. The course in Environment Studies shall carry 50 marks.

Note: Notwithstanding the selection of elective courses at Semester-III, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

SEMESTER-IV:

- (i) One Core course in the same Major subject offered in semester I, II and III (CC)
- (ii) One Elective course (EC)
- (iii) One course in Research Writing (FC - D (2))
- (iv) One Core course in Minor subject (CCm)
- (v) One course in Environmental Studies (FC - C)

Instructional Periods: Each course in (i), (ii) and (iii) above shall have three instructional periods per week for the Theory component and two instructional periods for the Practical component.

However, for courses having Theory component only, there shall be four instructional periods per week. Course in (iv) above shall have four instructional periods per week and course (v) above shall have two instructional periods per week.

Maximum Marks: The courses in (i), (ii) and (iv) above shall carry 100 (75 marks for Theory and 25 marks for Practical component) marks each. The courses without Practical component shall carry 100 marks. The course in Environment Studies shall carry 50 marks.

Note: Notwithstanding the selection of elective courses at Semester-IV, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

SEMESTER-V:

- (i) One Core course in the same Major subject offered in semester I, II, III and IV (CC)
- (ii) Two Elective courses (EC)
- (iii) One Interdisciplinary (FC - E) course
- (iv) One Core course in Minor subject (CCm)
- (v) Project

Instructional Periods: Each course in (i) to (iv) above shall have three instructional periods per week for the Theory component and two instructional periods for the Practical component. However, for courses having Theory component only, there shall be four instructional periods per week and course (v) above shall have two instructional periods per week.

Maximum Marks: The courses in (i) to (iv) above shall carry 100 (75 marks for Theory and 25 marks Practical component) marks each. The courses without Practical component shall carry 100 marks. Project work carried in semester V and VI shall be assessed at the end of semester VI and shall carry 100 marks.

Note: Notwithstanding the selection of core electives at Semester-V, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

SEMESTER-VI:

- (i) One Core course in the same subject offered in semester I, II, III, IV and V (CC)
- (ii) Two Elective courses (EC)
- (iii) One Interdisciplinary (FC - E) course
- (iv) One Core course in Minor subject (CCm)
- (v) Project

Instructional Periods: Each course in (i) to (iv) above shall have three instructional periods per week for the Theory component and two instructional periods for the Practical component. However, courses having Theory component only shall have four instructional periods per week. Course (iv) above shall have two instructional periods per week.

Maximum Marks: The courses in (i) to (iv) above shall carry 100 (75 marks for Theory and 25 marks for Practical component) marks each. The courses without Practical component shall carry 100 marks. Project work carried in semester V and VI shall be assessed at the end of semester VI and shall carry 100 marks.

Note: Notwithstanding the selection of core electives at Semester-VI, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

Option III: Double Major:

Distribution of Courses (Double Major) - SCIENCE						
Semesters	I	II	III	IV	V	VI
Courses	2CC - 1	2CC - 1	CC - 1	CC - 1	CC - 1	CC - 1
			EC-1	EC-1	EC-2	EC-2
	FC - A	FC - A	FC - B (1)	FC - B (2)	FC - C	FC - C
	2CC - 2	2CC - 2	CC - 2	CC - 2	CC - 2	CC - 2
		FC - D (1) (a)		FC - D (2)	FC - E	FC - E
					PROJ	PROJ

SEMESTER-I:

- (i) Two Core courses of Major subject I (CC)
- (ii) One course in Language (FC - A)
- (iii) Two Core courses of Major subject II (CC)

Instructional Periods: Each course in (i) and (iii) above shall have three instructional periods per week for the Theory component and two instructional periods for the Practical component. However, for courses having Theory component only, there shall be four instructional periods per week. Each course in (ii) above shall have four instructional periods per week.

Maximum Marks: The courses in (i) and (iii) above shall carry 100 (75 marks for Theory and 25 marks for Practical component) marks each. The courses without Practical component shall carry 100 marks. Course (ii) above shall carry 100 marks.

Note: Notwithstanding the selection of subject/s and/or option at the Semester-I, at the time of admission, the Principal of the college may permit a student of Semester-I B.Sc. admitted to change subject/s and/or option taken by the student within a period of **fifteen days** from the reopening of the college.

SEMESTER-II:

- (i) Two Core courses of Major subject I (CC)
- (ii) One course in the same Language which is offered in semester I (FC - A)
- (iii) Two Core courses of Major subject II (CC)
- (iv) One course in Statistical Methods (FC - D (1) (a))

Instructional Periods: Each course in (i) and (iii) above shall have three instructional periods per week for the Theory component and two instructional periods for the Practical component. However, for courses having Theory component only, there shall be four instructional periods per week. Each course in (ii) and (iv) above shall have four instructional periods per week.

Maximum Marks: The courses in (i) and (iii) above shall carry 100 (75 marks for Theory and 25 marks Practical component) marks each. The courses without Practical component shall carry 100 marks. The course (ii) and (iv) above shall carry 100 marks.

SEMESTER-III:

- (i) One Core course in the same Major subject I offered in semester I and II (CC)
- (ii) One Elective course in Major subject I (EC)
- (iii) One course in Academic Writing (FC - B (1))
- (iv) One Core course in the same Major subject II offered in semester I and II (CC)

Instructional Periods: Each course in (i), (ii) and (iv) above shall have three instructional periods per week for the Theory component and two instructional periods for the Practical component. However, for courses having Theory component only, there shall be four instructional periods per week. The course in (iii) above shall have four instructional periods per week.

Maximum Marks: The courses in (i), (ii) and (iv) above shall carry 100 (75 marks for Theory and 25 marks for Practical component) marks each. The courses without Practical component shall carry 100 marks. The Courses in (iii) above shall carry 100 marks each.

Note: Notwithstanding the selection of electives courses at Semester-III, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

SEMESTER-IV:

- (i) One Core course in the same Major subject I offered in semester I, II and III (CC)
- (ii) One Elective course in Major subject I (EC)
- (iii) One course in Cyber Security (FC - B (2))
- (iv) One course in Research writing (FC - D (2))
- (v) One Core course in the same Major subject II offered in semester I, II and III (CC)

Instructional Periods: Each course in (i), (ii) and (v) above shall have three instructional periods per week for the Theory component and two instructional periods for the Practical component. However, for courses having Theory component only, there shall be four instructional periods per week. The Courses in (iii) and (iv) above shall have four instructional periods per week.

Maximum Marks: The courses in (i), (ii) and (v) above shall carry 100 (75 marks for Theory and 25 marks Practical component) marks each. The courses without Practical component shall carry 100 marks. The Courses in (iii) and (iv) above shall carry 100 marks each.

Note: Notwithstanding the selection of elective courses at Semester-IV, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

SEMESTER-V:

- (i) One Core course in the same Major subject I offered in semester I, II, III and IV (CC)
- (ii) One Elective course in Major subject II (EC)
- (iii) One Interdisciplinary (FC - E) course
- (iv) One Core course in the same Major subject II offered in semester I, II, III, IV (CC)
- (v) One course in Environmental Studies (FC - C)
- (vi) Project

Instructional Periods: Each course in (i) to (iv) above shall have three instructional periods per week for the Theory component and two instructional periods for the Practical component. However, for courses having Theory component only, there shall be four instructional periods per week. The courses (v) and (vi) above shall have two instructional periods per week.

Maximum Marks: The courses in (i) to (iv) above shall carry 100 (75 marks for Theory and 25 marks for Practical component) marks each. The courses without Practical component shall carry 100 marks. The course in (v) above Environmental Studies shall carry 50 marks. Project work carried in semester V and VI shall be assessed at the end of semester VI and shall carry 100 marks.

Note: Notwithstanding the selection of elective courses at Semester-V, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

SEMESTER-VI:

- (i) One Core course in the same Major subject I offered in semester I, II, III,IV,V (CC)
- (ii) One Elective course in Major subject II (EC)
- (iii) One course in Interdisciplinary (FC - E)
- (iv) One Core course in the same Major subject II offered in semester I, II, III,IV,V (CC)
- (v) One course in Environmental Studies (FC - C)
- (vi) Project

Instructional Periods: Each course in (i) to (iv) above shall have three instructional periods per week for the Theory component and two instructional periods for the Practical component. However, courses having Theory component only shall have four instructional periods per week. The courses (v) and (vi) above shall have two instructional periods per week.

Maximum Marks: The courses in (i) to (iv) above shall carry 100 (75 marks for Theory and 25 marks Practical component) marks each. The courses without Practical component shall carry 100 marks. The course in (v) above Environmental Studies shall carry 50 marks. Project work carried in semester V and VI shall be assessed at the end of semester VI and shall carry 100 marks.

Note: Notwithstanding the selection of elective courses at Semester-VI, the Principal of the college may permit a student to change core electives chosen by the student within a period of **fifteen days** from the commencement of the semester.

AO-4: Scheme of Examination (B. A. and B. Sc.)

AO-4.1: Modes of evaluation

There shall be two modes of evaluation of the academic performance of the students offering the B.A. and B.Sc. courses: Continuous Assessment (CA) and Semester End Examination (SEE), hereafter mentioned as CA and SEE respectively. A student shall be required to appear for CA as well as SEE.

AO-4.2: Continuous Assessment

- (a) The CA (Continuous Assessment) shall be conducted in a given Semester using alternate modes of evaluation such as assignment, seminar presentation, orals, demonstration, written etc. Generally, CA for a given course shall be conducted by the teacher/s teaching that course. CA shall not be conducted for the Practical component of a paper. The schedule for the CA shall be notified to all teachers at the beginning of the semester. The marks of CA shall be communicated to the students within one week. The teachers are expected to submit the marks of CA to the examination committee two weeks before the commencement of SEE (Semester End Examination).
- (b) The CA tests shall carry 40% of maximum marks allotted for the course.
- (c) The College shall appoint a three member committee to monitor CA in the College.
- (d) Students who fail to appear for the CA due to a genuine reason shall be given another opportunity on a date pre-determined by the department.
- (e) A student who does not appear for a minimum of two CA of a course shall not be eligible to answer the SEE of that course.

AO-4.3: Semester End Examination

- (a) The SEE (Semester End Examination) shall be conducted at the conclusion of a given Semester. SEE shall cover the course of studies prescribed for the respective semester.
- (b) A candidate who has successfully fulfilled the requirements of a course shall be deemed eligible to appear for the SEE of that course. A candidate who fails to fulfil these condition(s) will have to ensure that they are suitably completed to re-appear at the examination of the course.
- (c) A tentative schedule of SEE examination, evaluation, declaration of results etc. shall be prepared by the Examination Committee of the college, preferably at the beginning of each academic year for all semesters and shall be notified to students. Setting of the question papers, evaluation of answer-scripts shall be done by the teacher/s of the particular course. The declaration of results shall be done by the college.

- (d) Assessment of answer-scripts of SEE of Semesters-I to Semester-VI shall be organized by the college. The assessment of the SEE answer scripts at the Semesters I to VI shall be done by the teacher/s of the particular course.
- (e) The pattern of question paper(s) to be set for the SEE in a given course and the scheme of marking shall be decided by the college. For this purpose, each department shall frame specimen question paper(s) in the concerned course for the information of the students as per the pattern specified by the college. Similarly, for assessment of practicals, the number of laboratory exercises, marks distribution for each exercise and other relevant details shall be decided by the Board of Studies in that subject.
- (f) The Schedule of the Examination and the setting of question paper(s) for SEE for Semester-I to Semester-VI shall be done centrally by the college. A Board of Paper-Setters and Examiners for the SEE shall be appointed by the Chairperson of Board of Studies (BOS). The former shall finalize question paper(s), and the Chairperson of BOS shall personally hand over the set of question papers in a sealed envelope to the Controller of Examinations. There shall be no objective type of questions at SEE though short answer questions may be set. Further, before assessment begins, this Board of Examiners shall prepare a key to answers to all question/sub-questions and the scheme of marking of the paper set at the examination. Photocopies of this key and the marking scheme for each of the paper of the concerned Semester (I to VI) shall be given to the examiners assessing the papers. In case of descriptive type of answers, only important points to be expected may be highlighted. The assessment of the SEE at Semesters I to VI shall be done centrally at the College.
- (g) The duration of SEE theory paper carrying 60 or 45 marks shall be of two hours and the theory paper carrying 30 marks shall be of one and half hour duration.

AO-4.4: Scheme of evaluation for course (Theory)

- (a) A theory paper carrying 100 marks shall have CA component of 40 marks and SEE component of 60 marks. For a 75 marks theory course, CA component shall be 30 marks and SEE component shall be 45 marks. A theory course carrying 50 marks shall have CA component of 20 marks and SEE component of 30 marks.
- (b) A student shall be required to appear in a minimum of two CAs and SEE so that the result in a course may be declared.

- (c) A student shall be required to score a minimum of 40% marks in CA and 40% marks in SEE components in each non practical course, to obtain a minimum Grade P.
- (d) A student shall be required to score a minimum of 40% marks in CA, minimum of 40% marks in practical and 40% marks in SEE components in each course with practical component, to obtain a minimum Grade P.
- (e) A student failing to score a minimum of 40% marks in a practical component will need to be reassessed in that component as decided by the concerned teacher. Failure to reassess will cause the result to be withheld.
- (f) Marks secured by the student in CA shall be carried forward even if he/she fails in the course.

AO-4.5: Scheme of evaluation for course (Practical)

- (a) No separate examination(s) in laboratory exercises shall be conducted for courses having practical(s) component. Each experiment/laboratory work carried out by the student shall be assessed by the teacher/s during the regular practical. Marks shall be allotted for journal/lab record book, field work and oral/viva voce. The break-up of marks shall be as follows: 20% for journal(s), 60% for the experiment and 20 % for the oral(s).
- (b) For assessing the candidate's performance in the assigned experiment, the examiner shall take into account the planning, the procedure and the technique followed by the candidate along with the readings/observations, the results and the presentation.
- (c) In oral examination, the examiner(s) shall assess the knowledge of the candidate in the course as well as the experiment(s) performed by the candidate.
- (d) Record of the break-up of marks thus obtained by the candidate shall be maintained by the respective department for Semesters I to VI, in a sealed envelope for a minimum period of 4 years.
- (e) The practical assessment shall be treated as an independent head of passing.
- (f) A candidate may be permitted, strictly on medical or other genuine grounds, to perform practical(s) missed, at the end the course.

AO-4.6: General guidelines for Project Work

- (a) A student registered for the three years B.A. /B.Sc. Degree programme shall be required to carry out a project in the subject (Major) during the Semesters-V and Semester-VI, and submit the Project Report at the end of Semester-VI for evaluation.
- (b) During the Semesters-V and Semester-VI, candidates of B.A./B.Sc. shall be assigned work for completing the Project in the area/field of subject/s. Project work and the Report shall be based on field work/library work /laboratory work or on-the-job training or similar work assigned by the teacher on a topic identified by the latter.
- (c) Project work shall be assigned to a single student or to a group of up to 5 students. The teacher shall be assigned one or more such groups according to the requirement of the subject. Two contact hours per week shall be considered as teaching work load for a group of 5 students in Semesters-V and Semester-VI.

AO-4.7: Assessment of Project Work

- (a) The assessment of the project paper shall be done equally by Internal Examiner (Project Supervisor for 50 marks) and External Examiner (for 50 marks) as per the guidelines defined in the project manual of Goa University.
- (b) The grade point of the project paper shall be based on the total marks scored from internal and external assessments. A student shall earn 4 credits for the project paper on obtaining a minimum Grade P.

AO-4.8: Procedure for preparing Results

- i. Marks, Grades and Grade Points:
Absolute grading method shall be adopted for awarding grades in a course. Under the absolute grading, the marks are converted to grades based on pre-determined class intervals. To implement the grading method, a 10-point grading system shall be used.
- ii. The following table gives the conversion of marks, grade points and letter grades to indicate the performance of the candidate in each course at the undergraduate level.

% of Marks obtained out of 100	Grade Point	Letter Grade	Description
90-100	10	O	Outstanding
80-89	9	A+	Excellent
70-79	8	A	Very Good
60-69	7	B+	Good
55-59	6	B	Above Average
45-54	5	C	Average
40-44	4	P	Satisfactory
39 and less	0	R	Reappear
Absent	0	Ab	Absent

- iii. A student obtaining Grade R/Ab in a course shall be required to reappear for the examination in that course.
- iv. For non evaluative courses (Component C and D of the structure) the letter grade shall be indicated on the grade card and this will not be counted for the computation of CGPA.
- v. Computation of SGPA and CGPA:

The following procedure shall be used to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

The performance of a student in a semester is indicated by a number called SGPA.

The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student,

$$\text{SGPA}(S_i) = \frac{\text{Sum of the product of the number of credits with the grade points scored in a semester}}{\text{Total number of credits in that semester}}$$

$$\text{SGPA}(S_i) = \frac{\sum (C_i \times G_i)}{\sum C_i}$$

where C_i is the number of credits of the i^{th} course and G_i is the grade point scored by the student in the i^{th} course in each semester. Here, $i = 1, 2, 3, \dots, n$, represent the number of courses in which a student is registered in the concerned semester..

The SGPA is rounded up to two decimal places.

Illustration of Computation of SGPA :

Course	Credit	Grade letter	Grade Point	Credit Point =(Credit x Grade Point)
Course 1	4	A	8	4 x 8 = 32
Course 2	4	B+	7	4 x 7 =28
Course 3	4	B	6	4 x 6 =24
Course 4	4	A+	9	4 x 9 = 36
Course 5	4	B	6	4 x 6 = 24
	20			144

Thus, SGPA=144/20=7.2

The CGPA is also calculated in the same manner, taking into account all the courses undergone by a student over all the semesters of a programme,

CGPA= $\frac{\text{Sum of the product of the total number of credits in a semester with its grade point average}}{\text{Total number of credits in the entire programme}}$

$$\text{CGPA} = \frac{\sum(C_j \times S_j)}{\sum C_j}$$

where S_j is the SGPA of the j^{th} semester and C_j is the total number of credits in that semester.

$j = 1,2,3,\dots,m$, represent the number of Semesters of an entire programme for which the CGPA is to be calculated.

$$\text{Percentage} = \text{CGPA} \times 10$$

The CGPA is rounded up to two decimal places

Illustration of Computation of CGPA

Semester	Credit	SGPA	Credit x SGPA
Semester I	20	7.2	20 X 7.2 = 144
Semester II	20	6.8	20 X 6.8 = 136
Semester III	20	7.4	20 X 7.4 = 148
Semester IV	20	6.6	20 X 6.6 = 132
Semester V	20	7.0	20 X 7.0 = 140
Semester VI	20	6.4	20 X 6.4 = 128
	120		828

Thus, $CGPA = 828/120 = 6.9$ (Grade: B+)

- vi. The Undergraduate Degree shall be awarded according to the following classification:

CGPA	Grade	Classification of Final Result
9.0-10	O	Outstanding
8.0-8.99	A+	Excellent
7.0-7.99	A	Very Good
6.0-6.99	B+	Good
5.5-5.99	B	Above average
4.5-5.49	C	Average
4.0-4.49	P	Satisfactory

AO-4.9: Revaluation

There shall be no revaluation of answer books of the candidates at Semester-I to Semester-VI examinations. Personal verification of marks shall be granted to the candidate in the presence of Principal/Vice-Principal and the concerned Examiner, provided the candidate has applied for the same along with payment of prescribed fees within one week of the declaration of result.

The following shall be the procedure for the verification of marks:

- (a) On a notified day and time, which should be not later than 10 days after the receipt of application from the candidate, the candidate shall be shown the answer book in the chamber of the Principal/Vice-Principal in the presence of the Examiner concerned.
- (b) If the candidate is not satisfied with the result on personal verification of answer book, he may apply to College Grievance Committee within a week.
- (c) The College Grievance Committee shall take appropriate action as per the relevant Ordinance and inform the candidate of the decision taken accordingly.

AO-4.10: Provision for Improvement

A candidate who has passed the B.A. / B.Sc. degree examination and desires to improve his/her performance/total score shall be permitted to appear again. However, such a candidate shall be allowed to reappear only in the SEE component of the courses of Semester I to Semester VI examinations, excluding the Project. For this purpose, the marks scored at the first appearance, in the Project and in CA component of the courses, shall be carried forward for tabulation of the result under "improvement of performance". This facility to reappear under "improvement" shall be available only during the immediately subsequent regular Semester examinations. A candidate shall be permitted to reappear for improvement of performance at Semesters- I, II, III, IV, V and VI. A candidate availing of this provision shall be considered to have passed "under improvement" and this fact shall be recorded on his/her statements of marks and other relevant documents. The candidate shall be required to surrender the original statement of marks and other relevant documents at the time of receiving the fresh statement of marks in the event of improvement of performance/total score. The performance of a candidate, who appears under this provision and fails to improve, shall be ignored. A candidate can appear only once under this clause.

AO-4.11: Format of Statement of Marks

The semester-wise SGPA secured by the candidate in Semester-I to Semester-VI examinations shall be indicated in the final statement of marks issued to the candidate after the Semester-VI examination for the B.A./B.Sc. degree programme. In case the student passes any Semester or part thereof in the second appearance, it shall be so indicated in the statement of marks of Semester I to Semester-VI.

AO-4.12: Guidelines for Exemption

- i. A candidate who obtains a minimum Grade P in a course(s) shall be exempted from reappearing in that course(s).
- ii. He/She shall be declared to have passed the full examinations on his/her obtaining a minimum Grade P in all the courses.
- iii. A supplementary examination shall be conducted, preferably after 15 days from the declaration of results of Semester II, IV and VI examinations. Students who have a backlog of any or all the courses (theory / practical) of Semesters I, II, III, IV, V and VI are eligible to appear for this examination.

AO-4.13: Constitution and working of College Examination Committee (CEC)

(A) The CEC shall be constituted by the Principal of the college for the terms of 3 years and shall work subject to control and supervision of the Principal.

1. The College Examination Committee (CEC) shall be constituted with the following members.
2. A senior teacher as the Chairman and three/four more regular teachers (in addition to the Chairman) as members.
3. There will be no remission in work-load but adequate remuneration shall be paid to the members.

(B) Functions of College Examination Committee:

1. This Committee shall be generally in-charge of all matters pertaining to F.Y., S.Y. and T.Y. examinations in the College.
2. The Committee shall prepare the examination time-table, arrange to get the question paper sets printed or duplicated and answer books assessed.

3. The Committee shall arrange to get the results prepared, announced, individual statement of marks prepared and issued to the candidates.

AO-4.14: Constitution and working of College Unfair Means Inquiry Committee (CUMIC)

(A) The CUMIC shall be constituted by the Principal of the college for a term of 3 years and shall work subject to control and supervision of the Principal.

1. The College Unfair Means Inquiry Committee (CUMIC) shall be constituted with the following members:

The Vice-Principal or a senior teacher as Chairman and two other regular teachers as members, who are also members of the College Examination Committee.

2. This committee shall investigate into cases of unfair means and malpractices reported in a manner prescribed by the college and shall recommend a course of action to the Principal.

(B) Procedure for investigating cases of unfair means:

The following procedure shall be followed for investigating the cases of candidates alleged to have used unfair means at the First Year and/or Second Year and/or Third Year B.A. and B.Sc., examinations.

1. The candidates will be served a show cause notice and made aware of the charges/allegations reported against him so as to enable him to prepare his defence at the time of this appearance before the Unfair Means Inquiry Committee. The candidate will be informed of the proposed action to be taken in his case, with a request to reply to the show cause notice as to why the action proposed under it should not be taken against him.
2. The reply received by the Committee from the candidate when he appears before it will be considered by the Committee and the final recommendation in the matter be taken and reported to the Principal for his approval.
3. The punishment finally awarded can be equal to or less than what is mentioned in the show cause notice, but not more than what is mentioned therein.
4. The College Unfair Means Inquiry Committee is a recommendatory body. The Principal has to exercise his power under Statute SB-13(iv) of the University and issue final order.

5. The broad category of malpractice and the quantum of punishment for each category thereof shall be as given in general Ordinance on malpractices i.e. OA-5.14.19 of Goa University. Besides these guidelines, each case will be examined in detail and punishment awarded on the merit of each case.

AO-4.15: Constitution and working of College Grievance Committee (CGC)

(A) The CGC shall be constituted by the Principal of the college for a term of 3 years and shall work subject to the control and supervision of the Principal.

1. The College Grievance Committee shall be constituted with the following members:
The Vice-Principal or a senior teacher as Chairman, provided that the person is not the Chairman of CUMIC, and two other regular teachers as members, preferably not members of CUMIC and CEC.
2. In case the grievance concerns any member of the committee, the Principal shall reconstitute the committee, excluding the concerned member.
3. This committee shall investigate written complaints from the students referred to them by the Principal in the conduct of examinations and recommend a course of action to the Principal.

(B) Procedure for Investigation of Grievance by the College Grievance Committee:

1. The committee shall consider the written complaint by a student on the conduct of examination provided that (i) the complaint is submitted by the student within 15 days after the declaration of results; (ii) the complaint is accompanied with a fee of Rs.200/- (refundable if the complaint is found genuine); and (iii) the matter is referred to the committee by the Principal. The committee shall invite a reply to the allegations (if any are made by the student) from the concerned party.
2. After considering the reply of the concerned party, the committee shall recommend a course of action in writing to the Principal.
3. The Principal may inform the student about the findings of the committee and shall take appropriate action including reassessment of the said answer book. However, if the marks are reduced after revaluation of the said answer book the original marks shall be retained and the student will be informed that there is no change in his/her results.

A fine, ranging from a minimum of Rs.200/- to a maximum of Rs.500/- shall be imposed on the student complainant, if the said allegation(s) is (are) found to be a deliberate attempt at casting aspersions on the teacher(s) concerned. If the allegations are found to be genuine and the same is recorded with appropriate reasons, action shall be taken as provided under OA-5.2.6 of Goa University

III

A. BACHELOR OF ARTS - B.A

1. ENGLISH

SEMESTER	CORE COURSES	
I	Understanding Poetry & Drama	History of English Literature from Fourteenth Century to the Twentieth Century (1901-1939)
II	Understanding Fiction	An Introduction to Linguistics & Stylistics
III	Indian Writing in English	-----
IV	Literary Criticism	-----
V	Nineteenth Century English Literature	Project
VI	Twentieth Century English Literature	Project

SEMESTER	ELECTIVE COURSES			
III	Goan Literature	American Literature	Writing for the Media	New Literatures in English
IV	Indian Diaspora Writing	Creative Writing	Visual Literature	Representation of Gender & Sexuality in Literature
V	Shakespeare Today	Ancient Indian Classics in Translation	Film Studies	Women's Writing in India
VI	English Language and Literature Teaching	Latin American Literature	Contemporary Literary Theory	World Literature

SEMESTER	FOUNDATION COURSE - LANGUAGE OPTIONAL
I	Communicative English
II	Effective Use of English

SEMESTER	FOUNDATION COURSE - COMPULSORY
I	Academic Writing (Science Stream)
II	Academic Writing (Arts Stream)
III	Research Writing (Arts Stream)
IV	Research Writing (Science Stream)

2. FRENCH

SEMESTER	CORE COURSES	
I	Language in Context: Developing Reading and Writing Skills Level 1 Part 1	Language in Context: Developing Listening and Speaking Skills Level 1 Part 1
II	Language in Context: Developing Reading and Writing Skills Level 1 Part 2	Language in Context: Developing Listening and Speaking Skills Level 1 Part 2
III	Language in Context: Developing Reading and Writing Skills Level 2 Part 1	
IV	Language in Context: Developing Reading and Writing Skills Level 2 Part 2	
V	Language in Context: Developing Reading and Writing Skills Level 3 Part 1	Project
VI	Language in Context: Developing Reading and Writing Skills Level 3 Part 2	Project

SEMESTER	ELECTIVE COURSES		
III	Language in Context: Developing Listening and Speaking Skills Level 2 Part 1	French for Tourism and Hospitality Level 2 Part 1	Study of Selected Elementary Text in French
IV	Language in Context: Developing Listening and Speaking Skills Level 2 Part 2	French for Tourism and Hospitality Level 2 Part 2	Introduction to Francophony
V	Initiation to Translation	Overview of 17 th Century French Literature	Overview of 18 th Century French Literature
VI	Overview of 19 th Century French Literature	Business Communication in French	Study of Collection of French Short Stories

3. HINDI

SEMESTER	CORE COURSES	
I	हिन्दी कहानी एवं शब्द साधन	हिन्दी कविता एवं काव्य सौंदर्य हिन्दी पत्रकारिता
II	हिन्दी नाटक, वृत्तचित्र एवं फीचर फिल्म (सैद्धांतिक पक्ष)	हास्य-व्यंग्य निबंध एवं पत्रकारिता
III	प्रयोजनमूलक हिन्दी: अनुवाद एवं विज्ञापन	
IV	हिन्दी पत्रकारिता: मुद्रित एवं इलेक्ट्रॉनिक	
V	मीडिया लेखन और हिन्दी (फीचर लेखन एवं विज्ञापन लेखन)	Project
VI	अनुवाद एवं पत्र लेखन	Project

SEMESTER	ELECTIVE COURSES		
III	हिन्दी साहित्य का इतिहास (आदिकाल, भक्तिकाल एवं रीतिकाल)	आदिकालीन एवं मध्यकालीन काव्य (काव्य संग्रह)	हिन्दी महिला लेखन एवं दलित लेखन
IV	आधुनिक हिन्दी कविता (इतिहास एवं काव्य संग्रह)	विशेष अध्ययन: सूर्यकांत त्रिपाठी निराला	आधुनिक हिन्दी कथा साहित्य (उपन्यास एवं कहानी)
V	कथेतर गद्य साहित्य (संस्मरण, यात्रा, आत्मकथा एवं जीवनी का अध्ययन, किसी विधा की एक पाठ्य पुस्तक)	विशेष अध्ययन: उपन्यास	काव्यशास्त्र (भारतीय एवं पाश्चात्य)
VI	आधुनिक हिन्दी नाटक एवं निबंध	भाषाविज्ञान एवं हिन्दी व्याकरण	हिन्दी का वैश्विक स्वरूप एवं साहित्य

SEMESTER	FOUNDATION COURSE - LANGUAGE OPTIONAL
I	व्यावहारिक हिन्दी
II	वाचन - लेखन कौशल

SEMESTER	INTER DISCIPLINARY COURSE
V	एकांकी और पथनाट्य : सैद्धांतिक पक्ष
VI	एकांकी और पथनाट्य : प्रस्तुतीकरण

4. KONKANI

SEMESTER	CORE COURSES	
I	कोंकणी भास आनी साहित्याचो इतिहास - एक वळख (आरंभा साकून 1858 वर्स मेरेनचो काळ) (Outline History of Konkani Language and Literature)(From beginning till 1858)	शणै गोंयबाबांचें कोंकणी अस्मिताये खातीर योगदान (Contribution of Shenvoy Goembab towards Konkani Identity)
II	कोंकणी भाशीक चळवळीचो इतिहास- एक वळख (1858 वर्स ते 1992 वर्स मेरेनचो काळ) (Outline History of Konkani Language Movement) (Period from 1858 till 1992)	कोंकणी बोलींचो अभ्यास (Study of Konkani Dialects)
III	कोंकणी भाशेचो व्याकरणीक आनी भाशाशास्त्रीय अभ्यास (Grammatical And Linguistic Study of Konkani)	
IV	कोंकणी लोकवेदाचो अभ्यास (Study of Konkani Folklore)	
V	गोंय मक्ती उपरांतचीं कोंकणी साहित्यांतलीं स्थित्यंतरां (Evolution in Konkani Literature in Post Liberation Era)	Project
VI	भारतीय आनी पाश्चात्य काव्यशास्त्राची वळख (Introduction to the Study of Indian and Western Poetics)	Project

SEMESTER	ELECTIVE COURSES		
III	कोंकणी कवितेचो खाशेलो अभ्यास Special Study of Konkani Poetry)	कोंकणी कथेचो खाशेलो अभ्यास (Special Study of Konkani Short Story)	कोंकणी कादंबरीचो खाशेलो अभ्यास (Special Study of Konkani Novel)
IV	कोंकणी नाटकाचो खाशेलो अभ्यास (Special Study of Konkani Drama)	चित्रपट आनी नाटक आस्वादना (Film and Drama Appreciation)	कोंकणी निबंधाचो खाशेलो अभ्यास (Study of Konkani Essays)
V	कोंकणी तियात्राचो अभ्यास (Study of Konkani Tiatro)	वेंचीक कोंकणी साहित्य प्रकाराचो समाजीक अभ्यास (Social Study Of Selected Form of Konkani Literature)	कर्नाटक आनी केरळच्या कोंकणी साहित्याचो इतिहास (History of Konkani Literature from Karnataka and Kerala)

VI	<p>एका वेंचीक बरोवप्याचो समग्र अभ्यास (Special Study of Selected Konkani Writer)</p> <ol style="list-style-type: none"> 1. बाकीबाब बोरकार 2. र.वि.पंडित 3. डॉ. मनोहरराय सरदेसाय 4. रवीन्द्र केळेकार 5. चा. फ्रा. द कॉशता 6. चंद्रकांत केणी 7. वि. जे. पि. सालदाना 8. नागेश करमली 9. दामोदर मावजो 10. शीला कोळंबकर 11. हेमा नायक 12. महाबळेश्वर सैल 	<p>आस्वादन नाटक , तियात्र ,फिल्म ,कवी संम्मेलन (LiteraryLiterary AppreciationApprecia tion)</p>	<p>कोंकणी लिप्यंतरीत साहित्याचो अभ्यास (कन्नड आनी रोमी लिपींतल्यान) Study of Transliterated Konkani Literature (From Kannada and Romi Script)</p>	<p>अनुवाद अभ्यास (Translation Study)</p>
----	--	---	--	--

SEMESTER	FOUNDATION COURSE - LANGUAGE OPTIONAL
I	कोंकणी भाशेचो व्यवहारीक अभ्यास (Functional Study of Konkani Language)
II	कोंकणी भाशेचीं मौखीक आनी लेखन कौशल्यां (Spoken and Written Skills of Konkani Language)

5. MARATHI

SEMESTER	CORE COURSES	
I	मराठी कथा स्वरूप आणि उपयोजन (१९४५ - २०००)	मराठी कविता स्वरूप व उपयोजन (आधुनिक कविता १९४५ पर्यंत)
II	मराठी कादंबरी स्वरूप व उपयोजन (आरंभ ते १९२०)	मराठी नाटक स्वरूप व उपयोजन (१९५० - २०००)
III	काव्यशास्त्र (भारतीय व पाश्चात्य)	
IV	रससिध्दांत आणि समीक्षा	
V	व्याकरण	Project
VI	भाषाशास्त्र (Philology)	Project

SEMESTER	ELECTIVE COURSES		
III	प्राचीन मराठी वाङ्मय (प्रारंभ १६५०)	मराठी ललित गद्य: स्वरूप आणि उपयोजन	साहित्याभिरुचीचे स्वरूप
IV	प्राचीन मराठी वाङ्मय (१६५१ - १८१८)	प्रवासवर्णन: साहित्यप्रकार आणि उपयोजन	कार्यक्रम संयोजन व संचालन कौशल्य
V	मराठी वाङ्मयाचे सांस्कृतिक स्वरूप	आत्मचरित्र: साहित्यप्रकार आणि उपयोजन	पत्रकारिता: स्वरूप आणि कौशल्ये
VI	मुक्तीपूर्व गोमंतकीय मराठी वाङ्मय	प्रादेशिक कथा: स्वरूप आणि उपयोजन	भाषांतर विद्या

SEMESTER	FOUNDATION COURSE - LANGUAGE OPTIONAL
I	व्यावहारिक मराठी
II	मराठी वाचन - लेखन कौशल्य

6. ECONOMICS

SEMESTER	CORE COURSES	
I	Evolution of Methods in Economic Analysis	Mathematical Techniques for Economic Analysis
II	Economics of Growth and Development	Empirical Techniques for Economic Analysis
III	Microeconomics	
IV	Macroeconomics	
V	Public Economics	Project
VI	International Economics	Project

SEMESTER	ELECTIVE COURSES				
III	Indian Economy	International Resource Movement	Emerging Market Economies	Regional Economics	
IV	Economics and Governance	Entrepreneurship	Accounts for Non Accountants	Economics and Law	
V	Econometrics	Game Theory	Experimental Economic	Advanced Microeconomics	
VI	Labour Economics	Environmental Economics	Industrial Economics	Financial Economics	Advanced Macroeconomics

7. GEOGRAPHY

SEMESTER	CORE COURSES	
I	Introduction to Geography	Fundamentals of Physical Geography
II	Basics of Human Geography	Basics of Regional Geography
III	Cartography	
IV	Remote Sensing and GIS	
V	Geomorphology and Climatology	Project
VI	Population and Economic Geography	Project

SEMESTER	ELECTIVE COURSES			
III	Socio-Economic Survey	Field Survey	Quantitative Techniques	Computer Geography
IV	Photogrammetry	Spatial Analysis	Open Source GIS	GIS Applications
V	Coastal Geomorphology	Fluvial Geomorphology	Synoptic Climatology	Agro-Climatology
VI	Regional Planning	Geography of Trade and Transport	Geography of Tourism	Socio-Cultural Geography

8. HISTORY

SEMESTER	CORE COURSES	
I	History of Goa: Political History From Earliest Times to 1987 - I.	World Civilizations: Persia, India, Greece and Rome. (Earliest Times to 500 A.D.)-I
II	History of Goa: Economic, Social and Cultural History From Earliest Times to 1987 - II	World Civilizations: Egypt, Mesopotamia, China and Maya. (Earliest Times to 1500 AD)- II
III	Ancient India From Earliest Times to 1206 A.D.	
IV	Medieval India (1206-1757 A.D.)	
V	Modern India (1757-1950)	Project
VI	Modern World (1789 - 1945)	Project

SEMESTER	ELECTIVE COURSES				
III	History of South India: From Earliest Times to C. 1250	Indian Art and Architecture upto 1757 A.D	Introduction to Archaeology	World History (500A.D. to 1400 A.D.)- I	Portuguese Language Level - I
IV	Goan Heritage and Culture	History of Marathas	Indian Archaeology	World History (Renaissance to French Revolution) - II	Portuguese Language Level - II
V	History of Modern China and Japan (1839-1949)	History of South East Asia	Introduction to Constitution of India	Introduction to Historical Method and Indian Historiography	
VI	History of U.S.A (1776 - 1963)	India after Independence (1950 - 1996)	History of West Asia (1900 - 1995)	Modern World (1945 -1990)	

9. PHILOSOPHY

SEMESTER	CORE COURSES	
I	Moral Philosophy	Logic
II	Philosophy of Religion	Practical Ethics
III	Classical Indian Philosophy (upto Buddhism)	
IV	Orthodox Indian Philosophy	
V	Ancient Greek & Medieval Philosophy	Project
VI	Modern Western Philosophy	Project

SEMESTER	ELECTIVE COURSES			
III	Study of World Religions	Philosophy of Mind	Symbolic Logic	Value Education
IV	Problems of Philosophy	Political Philosophy	Philosophy of Human Rights	Eco-Philosophy
V	Philosophy of Science	Contemporary Indian Philosophy	Philosophy of Education	Philosophy of Management
VI	Contemporary Western Philosophy	Vedanta Philosophy	Philosophy of Law	Applied Philosophy (Yoga & Art of Living)

10. PSYCHOLOGY

SEMESTER	CORE COURSES	
I	Basic Course in Psychology	Emotional Development
II	Personality Theories	Basics of Counselling
III	Abnormal Psychology	
IV	Psychopathology	
V	Experimental Psychology	Project
VI	Psychological Testing	Project

SEMESTER	ELECTIVE COURSES			
III	Health Psychology	Child Psychology	Interpersonal Relations	Sports Psychology
IV	Psychology of Adjustment	Criminal Psychology	Adolescent Psychology	Positive Psychology
V	Cognitive Psychology	Applied Statistics in Psychology	Environmental Psychology	Parenting
VI	Gerontology	Organizational Behaviour	Intelligence and Creativity	Cross Cultural Psychology

11. SOCIOLOGY

SEMESTER	CORE COURSES	
I	Fundamentals of Sociology	Social Change and Processes
II	Social Movements in India	Sociology of Religion
III	Social Institution in India	
IV	Sociology of Education	
V	Classical Sociology	Project
VI	Schools of Sociological Theory	Project

SEMESTER	ELECTIVE COURSES			
III	Understanding Goa's culture	Introduction to Qualitative Research Methods	Introduction to NGO Management-1	Globalization and New Media (Digital Story Telling)
IV	Teaching sociology: Theory and Practice	Producing Knowledge (research paper writing)	Strategies for Social Development	Family, Kinship and Marriage in India
V	Rural sociology	Social concerns in Contemporary India-1	Women and Society in India	Introduction to Social Work and Social Welfare
VI	Urban sociology	Social Concerns in Contemporary India-2	Contemporary Issues of Women in India	Migration and Society in Goa

B. BACHELOR OF SCIENCE - B.Sc.
1. BIOTECHNOLOGY

SEMESTER	CORE COURSES	
I	Basic Microbiology	Fundamentals of Biochemistry
II	Fundamental Genetics	Cell and Molecular Biology
III	Immunology	
IV	Concepts in Genetic Engineering	
V	Industrial Biotechnology - Basic	Project
VI	Plant Tissue Culture and Animal Cell Culture	Project

SEMESTER	ELECTIVE COURSES			
III	Basics of Plant and Animal Sciences	Introduction to Research	Biostatistics	Evolution and Ecology
IV	Plant and Animal Physiology	Applied Biophysics	Molecular Genetics	Advanced Biochemistry
V	Molecular Medicine	Environmental Biotechnology and Biodiversity	Introduction to Drug Development	Bioinformatics
VI	Food Biotechnology	Industrial Biotechnology - Advanced	Applications of Biotechnology	Bioethics and Biosafety

2. BOTANY

SEMESTER	CORE COURSES	
I	Plant Diversity	Cell Biology & Biomolecules
II	Plant Anatomy & Embryology	Microbiology
III	Physiology of Plants	
IV	Cytogenetics	
V	Plant Molecular Biology	Project
VI	Plant Biotechnology & Genetic Engineering	Project

SEMESTER	ELECTIVE COURSES			
III	Ecology & Conservation	Biological Techniques & Instrumentation	Enzyme and metabolic pathways	
IV	Plant Breeding and Biostatistics	Systematics of Flowering plants and Phylogeny	Plant pathology	
V	Bioinformatics	Seed Technology	Pharmacognosy	
VI	Plant tissue culture	Agricultural Biotechnology	Plant Drug Technology	

3. CHEMISTRY

SEMESTER	CORE COURSES	
I	General Physical and Inorganic Chemistry	General Organic and Inorganic Chemistry
II	Concepts in Physical and Analytical Chemistry	Concepts in Organic and Inorganic Chemistry
III	Comprehensive Chemistry -I	
IV	Comprehensive Chemistry -II	
V	Advanced Chemistry - I	Project
VI	Advanced Chemistry - II	Project

SEMESTER	ELECTIVE COURSES			
III	Name Reactions and Synthetic Methodologies	Industrial Chemistry	Surface Chemistry and Catalysis	Bioinorganic Chemistry
IV	Pharmaceutical Chemistry	Polymer and Colloid Science	Spectroscopic Techniques	Chemistry of Natural Products
V	Heterocyclic Chemistry	Organometallic Chemistry	Electroanalytical Techniques	Chemistry of main group elements
VI	Applied Electrochemistry	Instrumental Methods in Analytical Chemistry	Introduction to Nanomaterials	Solid State Chemistry

4. COMPUTER SCIENCE

SEMESTER	CORE COURSES	
I	Mathematical foundation of Computer Science - I	Introduction to Programming
II	Object Oriented Programming	Data Structures
III	Data Base Management Systems	
IV	Computer Architecture and Organization	
V	Operating Systems	Project
VI	Computer Networks	Project

SEMESTER	ELECTIVE COURSES			
III	Software Engineering	Digital Logic Design	Mathematical Foundation of Computer Science - II	Multimedia Systems
IV	Design & Analysis of Algorithms	Data Base Application Development	Service Oriented Architecture	Front End Engineering
V	Embedded Systems	Mobile Apps Development	Web Technology	Software Testing and Quality Assurance
VI	System Security	Cloud Computing	E-Learning	Business Intelligence

5. GEOGRAPHY

SEMESTER	CORE COURSES	
I	Fundamentals of Physical Geography	Basic Cartographic Techniques
II	Oceanography	Geography of Man and Environment
III	Fundamentals of GIS and Remote Sensing	
IV	Geomorphology	
V	Atmospheric Sciences	Project
VI	Geography of Sustainability	Project

SEMESTER	ELECTIVE COURSES			
III	Spatial Analysis	Open Source GIS	Participatory GIS	Applied GIS
IV	Coastal Geomorphology	Fluvial Geomorphology	Watershed Management	Biogeography
V	Synoptic Climatology	Agro-Meteorology	Disaster Management	Applied Climatology
VI	Cities and Sustainability	Statistical Geography	Population, Society and Sustainability	Globalization and Sustainable Development

6. GEOLOGY

SEMESTER	CORE COURSES		
I	Fundamentals of Mineralogy	Elementary Petrology	
II	Earth's Dynamics and Tectonics	Principles of Stratigraphy and Paleontology	
III	Igneous Petrology		
IV	Sedimentary and Metamorphic Petrology		
V	Crystal Optics and Mineralogy	Environmental Physical Geology	Project
VI	Structural Geology	Gemmology	Project

SEMESTER	ELECTIVE COURSES			
III	Physical Geology	Groundwater and Hydrogeology	Engineering Geology	Marine Geology
IV	Ore Genesis	Geology of Peninsular India	Natural Hazards and Management	Geotectonics
V	Himalayan Geology	Petroleum Geology	Principles of Geophysical Exploration	Remote Sensing and GIS Applications
VI	Geochemistry	Mining and Mineral Exploration	Surveying and Mapping	Gemstone Testing and Evaluation

7. MATHEMATICS

SEMESTER	CORE COURSES	
I	Basic Algebra	Basic Real Analysis
II	Mathematical Analysis	Coordinate Geometry
III	Abstract Algebra	
IV	Differential Equations	
V	Linear Algebra	Project
VI	Vector Analysis	Project

SEMESTER	ELECTIVE COURSES			
III	Elementary Number Theory	Numerical Methods	Functions of Several Variables	Pedagogy of Mathematics
IV	Graph Theory	Advanced Analysis	Computers for Math	Combinatorics
V	Advanced Statistics	Operations Research -I	Metric Spaces	Coding Theory and Cryptography
VI	Advanced Differential Equations	Operations Research -II	Complex Analysis	Relativity

8. PHYSICS

SEMESTER	CORE COURSES	
I	Introduction to Mathematical Physics	Mechanics-I
II	Heat and Thermodynamics	Electricity and Magnetism
III	Electromagnetic Theory-I	
IV	Optics	
V	Electromagnetic Theory-II	Project
VI	Atomic and Molecular Physics	Project

SEMESTER	ELECTIVE COURSES			
III	*Electronics-I	Modern Physics	Solid State Devices	Astronomy and Astrophysics
IV	*Oscillations, Waves and Sound	Properties of Matter and Acoustics	Computational Physics	Mechanics II
V	*Quantum Mechanics	Statistical Physics	Electronics-II	Introduction to Nanoscience
VI	*Solid State Physics	Nuclear and Elementary Particle Physics	Introduction to Special Theory of Relativity	Introduction to Physical Oceanography

* Elective Courses are compulsory

CORE COURSES FOR MINOR IN PHYSICS

SEMESTER	CORE COURSES	
I	Mechanics, Properties of Matter and Sound	
II	Electricity, Magnetism and Electronics	
III	Elementary Modern Physics	
IV	Heat and Optics	
V	Material Science	Project
VI	Atomic and Nuclear Physics	Project

9. ZOOLOGY

SEMESTER	CORE COURSES	
I	Animal Diversity : Non Chordates	Cell and Molecular Biology
II	Diversity and Biological Systems of Chordates	Fundamentals of Animal and Human Genetics
III	Human Physiology	
IV	Biochemistry and Metabolic Regulation	
V	Developmental Biology	Project
VI	Wildlife Biology	Project

SEMESTER	ELECTIVE COURSES			
III	Endocrinology	Basic microbiology and Fundamentals of Animal Biotechnology	Environmental Toxicology	Parasitology
IV	Animal cell culture and Applications	Aquaculture and Fisheries	Immunology	Evolutionary Biology
V	Molecular Genetics and Forensic Science	Cryobiology	Ecology and Ethology	Fish Preservation and Processing
VI	Health and Nutrition	Basic and Applied Entomology	Laboratory Techniques in Pathology	Bio Entrepreneurship

**C. MASTER OF ARTS -M.A.
1. ECONOMICS**

SEMESTER	CORE COURSES			
I	Mathematial Economics	Statistical Economics	Development Economics	Microeconomics - I
II	Microeconmics - II	Public Economics		
III	Macroeconomics - I			
IV	Macroeconomics - II			

SEMESTER	OPTIONAL COURSES				
I	Financial Economics	Agricultural Economics			
II	International Trade and Globalization	Research Methodology	Indian Public Finance		
III	Human Resource Development	Research Methodology			
IV	Agricultural Development	Labor Economics	Indian Economy	Growth and Development	Advanced Econometrics

2. HINDI

SEMESTER	CORE COURSES		
I	हिन्दी साहित्य का इतिहास (आदिकाल, भक्तिकाल एवं रीतिकाल)	प्राचीन एवं मध्यकालीन काव्य	भाषाविज्ञान
II	हिन्दी साहित्य का इतिहास: आधुनिक काल	आधुनिक काव्य	विशेष विधा: उपन्यास
III	भारतीय काव्यशास्त्र	प्रयोजनमूलक हिन्दी	हिन्दी भाषा, लिपि एवं व्याकरण
IV	पाश्चात्य काव्यशास्त्र	मीडिया लेखन	शोध लेखन

SEMESTER	OPTIONAL COURSES		
I	विशेष रचनाकार: अज्ञेय	दलित विमर्श	अनुवाद
II	विशेष विधा : कहानी	आलोचक और आलोचना	पत्रकारिता एवं जनसंचार माध्यम
III	भारतीय साहित्य	नाटक एवं रंगमंच	साहित्य: विचार और दर्शन
IV	आधुनिक गद्य (उपन्यास, कहानी, निबंध, नाटक, प्रत्येक की एक रचना)	स्त्री विमर्श	आधुनिक गद्य के अन्य रूप

IV

ACADEMIC CALENDAR 2015- 16

Academic calendar for semester I, III and V

Semester begins	- 15 June 2015
First CA for semester I, III and V	- Dates will be announced by the respective departments
Second CA for semester I, III, and V	- Dates will be announced by the respective departments
Ganesh Chaturthi Break	- 16 September 2015 to 21 September 2015
Semester End Examinations	- 12 October 2015
Semester ends	- 31 October 2015
Winter break	- 2 November 2015 to 22 November 2015

Academic Calendar for Semester II, IV and VI

Semester begins	- 23 November 2015
First CA for semester II, IV and VI	- Dates will be announced by the respective departments
Second CA for semester II, IV and VI	- Dates will be announced by the respective departments
Christmas Break	- 24 December 2015 to 1 January 2016
Semester End Examinations	- 1 April 2016
Semester ends	- 3 May 2016
Summer break	- 4 May 2016 to 14 June 2016

ACADEMIC PROGRAMMES UNDER AUTONOMY

The College offers 20 Under graduate and 5 Post graduate programs in Arts and Science with 3 departments offering research programmes leading to Ph.D. degrees. Three Post graduate Diploma courses are also part of the academic programmes.

The College offers following courses in Bachelor of Arts (B.A):

1. English
2. French
3. Hindi
4. Konkani
5. Marathi
6. Economics
7. Geography
8. History
9. Philosophy
10. Psychology
11. Sociology

The College offers following courses in Bachelor of Science (B.Sc.):

1. Botany
2. Biotechnology (Self Financed)
3. Computer Science
4. Chemistry
5. Geography
6. Geology
7. Mathematics
8. Physics
9. Zoology

Post-Graduate Diploma courses:

1. Post-Graduate Diploma in Computer Applications
2. Post Graduate Diploma in Clinical Genetics And Medical Lab Techniques
3. Post graduate diplomas in Geoinformatics

Post-Graduate course in Arts (M.A.):

1. Economics
2. Geography
3. Hindi

Post-Graduate course in Science (M.Sc.):

1. Information Technology
2. Analytical Chemistry

PhD programme:

1. Botany
2. Geography
3. Hindi

VI
Course Structure for Autonomous Programmes of B.A. and B. Sc

Distribution of Courses (Single Major) - ARTS						
Semesters	I	II	III	IV	V	VI
Courses	2CC	2CC	CC	CC	CC	CC
	FC - A	FC - A	3EC	3EC	3EC	3EC
	FC - B (2)	FC - B (1)	FC - C	FC - C	FC - E	FC - E
	FC - D (1) (a) / FC - D (1) (b)		FC - D (2)		PROJ	PROJ
	5	4	5.5	4.5	5.5	5.5

Distribution of Courses (Major - Minor) - ARTS						
Semesters	I	II	III	IV	V	VI
Courses	2CC	2CC	CC	CC	CC	CC
	FC - A	FC - A	EC	EC	2EC	2EC
	FC - B (2)	FC - B (1)	FC - C	FC - C	FC - E	FC - E
	CCm	CCm	CCm	CCm	CCm	CCm
	FC - D (1) (a) / FC - D (1) (b)		FC - D (2)		PROJ	PROJ
Total	6	5	4.5	3.5	5.5	5.5

Distribution of Courses (Double Major) - ARTS						
Semesters	I	II	III	IV	V	VI
Courses	2CC - 1	2CC - 1	CC - 1	CC - 1	CC - 1	CC - 1
			EC	EC	EC	EC
	FC - A	FC - A	2FC - B (2)	FC - B (1),	FC - C	FC - C
	2CC - 2	2CC - 2	CC - 2	CC - 2	CC - 2	CC - 2
	FC - D (1) (a) / FC - D (1) (b)		2FC - D (2)		FC - E	FC - E
					PROJ	PROJ
Total	6	5	5	4	5	5

Distribution of Courses (Single Major) - SCIENCE						
Semesters	I	II	III	IV	V	VI
Courses	2CC	2CC	CC	CC	CC	CC
	FC - A	FC - A	3EC	3EC	3EC	3EC
	FC - B (1)	FC - B (2)	FC - C	FC - C	FC - E	FC - E
		FC - D (1) (a)		FC - D (2)	PROJ	PROJ
	4	5	4.5	5.5	5.5	5.5

Distribution of Courses (Major - Minor) - SCIENCE						
Semesters	I	II	III	IV	V	VI
Courses	2CC	2CC	CC	CC	CC	CC
	FC - A	FC - A	EC	EC	2EC	2EC
	FC - B (1)	FC - B (2)	FC - C	FC - C	FC - E	FC - E
	CCm	CCm	CCm	CCm	CCm	CCm
		FC - D (1) (a)		FC - D (2)	PROJ	PROJ
Total	5	6	3.5	4.5	5.5	5.5

Distribution of Courses (Double Major) - SCIENCE						
Semesters	I	II	III	IV	V	VI
Courses	2CC - 1	2CC - 1	CC - 1	CC - 1	CC - 1	CC - 1
			EC	EC	EC	EC
	FC - A	FC - A	FC - B (1)	FC - B (2)	FC - C	FC - C
	2CC - 2	2CC - 2	CC - 2	CC - 2	CC - 2	CC - 2
		FC - D (1) (a)		FC - D (2)	FC - E	FC - E
					PROJ	PROJ
Total	5	6	4	5	5	5