

F.Y.B.A - SUBJECTS FOR SEMESTER I & II

Note:

- Core Course (CC), Discipline Specific Course (DSC), Generic Elective (GE) will be common for Semester I & II.
- Discipline Specific Course (DSC) combination will continue from semester I to VI.
- In Ability Enhancement Compulsory Course (AECC) group Modern Indian Language (MIL) (English/Hindi/Marathi/ Konkani) will be offered for one semester and Environmental Studies (EVS) for subsequent semester.

A. Core Course (CC): Compulsory English. This paper is compulsory for all. It is a (06) Credit paper.

S.No	Subject / Titles for Semester I	Subject / Titles for Semester II
1	EGC: Core Communicative English 1.1	EGC: Core Communicative English 1.2

B. Ability Enhancement Compulsory Course : For SEM – I choose any one language as MIL.

- AECC 1 :Semester I: **English/ Hindi/Marathi / Konkani (MIL or Modern Indian Languages)**

S.NO	Subjects	Titles for Semester I
1	AECC 1: English	Spoken English
2	AECC 2: Hindi	Sampreshan Kaushal
3	AECC 3: Marathi	Communication Skill-Compèring
4	AECC 4: Konkani	Maukhik Konkani: Bhashik Kaushalyache Adhayan
		Titles for Semester II
1	AECC 5: EVS	Environmental Studies I & II

- AECC 2: Semester II: **EVS - Compulsory**

C. Discipline Specific Core (DSC): Any one combination from below. Each paper is of (04) Credits.

1. Economics/Geography/Psychology
2. Economics/English/Psychology
3. Economics/Political Science/Psychology
4. Geography /Konkani/English
5. English/ Geography /Political Science.
6. English/ Geography / Psychology
7. Hindi/Marathi/Konkani
8. Hindi/Marathi/ Political Science
9. Hindi/ English / Psychology

S.NO	Subjects	Titles for Semester I	Titles for Semester II
1	Dsc: english	Introduction to literature	Indian Writing in English
2	Dsc: hindi	Madhyakalin evam adhunik hindi kavya tatha vyakaran	Adhunik Hindi Katha Sahitya Evam Vyakaran
3	Dsc: marathi	Short story: a form of literature	Drama: A Form of Literature
4	Dsc: konkani	Katha sahitya siddhant aani aaswadan	Konkani Katha: Aaswadan Aani Nirmitti Abhyas
5	Dsc: economics	Microeconomics i	Microeconomics II
6	Dsc: geography	Introduction and fundamentals of geography	Social and Cultural Geography
7	Dsc: psychology	Fundamentals of psychology i	Fundamentals of Psychology II
8	Dsc: political science	Introduction to political theory	Politics and Political Ideas

- **Note:** Minimum of 20 students are required for subject combination of DSC. Combination will be offered as per the feasibility of the College and after final approval from Goa University. In case of less nos. than stipulated, students will be requested to offer other combination.

D. Generic Elective(GE): Will be common for both the Semesters. Each paper is of (04) Credits.

S.No	Subjects	Semester I (GE 1)	Semester II (GE 2)
1	GE: Commerce	Banking I	Banking II
2	GE: Commerce	Principles of Insurance	Practice of Insurance
3	GE: Commerce	Management of Micro, Small & Medium Enterprises (MSME).	Tourism and Hospitality Management
4	GE: English	Culture Study through Film-India	Culture Study through Film - America
5	GE: Hindi	Hindi Sahitya Ka Parichay – I	Hindi Sahitya Ka Parichay – II
6	GE: Konkani	Vevharantli Konkani Bhaas	Sampark Madhyamachi Konkani Bhaas
7	GE: Marathi	Film Appreciation	News Writing for Media
8	GE: Economics	Entrepreneurship Development-I	Entrepreneurship Development-II
9	GE: Geography	Resource Geography of Goa	Geography of Resource Utilization in Goa
10	GE: Political Science	Contemporary Issues in India	Contemporary Global Affairs
11	GE: Psychology	Child Psychology	Psychology of Adolescence
12	GE: Computer Science	I. T Fundamentals	Multimedia & Web Design
13	GE: Chemistry	Basic Chemistry and Indian Scientists	Chemistry in Daily life
14	GE: Microbiology	Introduction & Scope of microbiology	Industrial & Food Microbiology
15	GE: Physics	Basic Physics	Optics and Instrumentation
16	GE: Mathematics	Probability and Statistics	Numerical Computations

- **Note:** For each GE minimum 15 students are required and maximum 30 students. In case of less nos. than stipulated, students will be requested to offer other combination.

F.Y.B.Sc SUBJECTS FOR SEMESTER I & II

Note:

- Discipline Specific Course (DSC) & Generic Elective (GE) will be common for Semester I & II.
- Discipline Specific Course (DSC) combinations will continue from semester I to VI.
- In Ability Enhancement Compulsory Course (AECC) group Environmental Studies (EVS) for one semester and Modern Indian Language (MIL) (English/Hindi/Marathi/ Konkani) will be offered for subsequent Semester.

A. Ability Enhancement Compulsory Course (AECC): EVS for semester I and Any one language English/Hindi/Konkani/Marathi for semester II.

- AECC 1: Semester I: **EVS - Compulsory**
- AECC 2: Semester II: **English/ Hindi/Marathi / Konkani (MIL or Modern Indian Languages)**
- Each paper is of (04) Credits

S.NO	Subjects	Titles for Semester I / II
1	AECC 5: EVS	Environmental Studies I & II
Titles for Semester II		
1	AECC 1: English	Spoken English
2	AECC 2: Hindi	Sampreshan Kaushal
3	AECC 3: Marathi	Communication Skill-Compèring
4	AECC 4: Konkani	Maukhik Konkani: Bhashik Kaushalyache Adhayan

B. Discipline Specific Core (DSC): Any one combination from below which will continue from Semester I to VI. Each paper is of (06) credits.

1. **Physics/Chemistry/Microbiology**
2. **Physics/Chemistry/Maths**
3. **Electronics/Maths/Computer Science**
4. **Physics /Computer Science/ Electronics**
5. **Geography /Chemistry / Microbiology**
6. **Microbiology /Chemistry/ Maths**
7. **Microbiology/Chemistry/ Computer Science**
8. **Physics / Maths / Computer Science**

S.No	Subjects	Titles for Semester I	Titles for Semester II
1	Dsc: physics	Mathematical methods, mechanics & electrical circuit theory	Heat, Thermodynamics and Properties of Matter
2	Dsc: chemistry	Inorganic & organic chemistry	Physical & Organic Chemistry
3	Dsc: mathematics	Calculus & numerical methods	Matrices & Linear Algebra
4	Dsc: microbiology	Microbiology & biochemistry I	Microbiology & Biochemistry II
5	Dsc: computer science	Programming fundamentals using c	Data Structures
6	Dsc: geography	Fundamentals of geography	Social & Cultural Geography
7	Dsc: electronics	Network analysis and analog electronics	Linear and Digital Integrated Circuits

- **Note:** For each combination of DSC minimum 15 students are required. In case of less nos than stipulated students will be requested to offer other combinations. Combination will be offered as per the feasibility of the College and after final approval from Goa University.

C. Generic Elective (GE): Will be common for both the Semesters. Each paper is of (04) Credits.

S.No	Subjects	Semester I (GE 1)	Semester II (GE 2)
1	GE: Commerce	Banking I	Banking II
2	GE: Commerce	Principles of Insurance	Practice of Insurance
3	GE: Commerce	Management of Micro, Small & Medium Enterprises (MSME).	Tourism and Hospitality Management
4	GE: English	Culture Study through Film- India	Culture Study through Film - America
5	GE: Hindi	Hindi Sahitya Ka Parichay – I	Hindi Sahitya Ka Parichay – II
6	GE: Konkani	Vevharantli Konkani Bhaas	Sampark Madhyamachi Konkani Bhaas
7	GE: Marathi	Film Appreciation	News Writing for Media

8	GE: Economics	Entrepreneurship Development-I	Entrepreneurship Development-II
9	GE: Geography	Resource Geography of Goa	Geography of Resource Utilization in Goa
10	GE: Political Science	Contemporary Issues in India	Contemporary Global Affairs
11	GE: Psychology	Child Psychology	Psychology of Adolescence
12	GE: Computer Science	I. T Fundamentals	Multimedia & Web Design
13	GE: Chemistry	Basic Chemistry and Indian Scientists	Chemistry in Daily life
14	GE: Microbiology	Introduction & Scope of Microbiology	Industrial & Food Microbiology
15	GE: Physics	Basic Physics	Optics and Instrumentation
16	GE: Mathematics	Probability and Statistics	Numerical Computations

Note: For each GE minimum 15 students are required and maximum 30 students. In case of less nos. than stipulated, students will be requested to offer other combination.

F.Y. B.Com SUBJECTS FOR SEMESTER I & II

Note: CC, AECC, GE will remain common for Semester I & II.

A. Ability Enhancement Compulsory Course (AECC): These are compulsory subjects offered for semester I & II. Each paper is of (02) Credits.

Sr. No	Subjects	Title of Paper for Semester - I	Subjects	Title of Paper for Semester - II
1	AECC - 1	Spoken English	AECC - 3	Business Communication Modern Communication Skills - Spoken
2	AECC - 2	Environmental Studies I	AECC - 4	Environmental Studies II

B. Core Course (CC): These are compulsory subjects offered for semester I & II. Each paper is of (04)Credits.

Sr. No	Subjects	Title of Paper for Semester - I	Subjects	Title of Paper for Semester - II
1	CC - 1	General Management	CC – 5	Introduction to Marketing
2	CC - 2	Financial Accounting	CC - 6	Financial Statement Analysis and Interpretations
3	CC - 3	Micro Economics	CC – 7	Managerial Economics
4	CC - 4	Commercial Arithmetic - I	CC – 8	Commercial Arithmetic - II

C. Generic Elective (GE): Will be common for both the Semesters. Each paper is of (04) Credits.

S.No	Subjects	Semester I (GE 1)	Semester II (GE 2)
1	GE: Commerce	Banking I	Banking II
2	GE: Commerce	Principles of Insurance	Practice of Insurance
3	GE: Commerce	Management of Micro, Small & Medium Enterprises (MSME).	Tourism and Hospitality Management
4	GE: English	Culture Study through Film- India	Culture Study through Film - America
5	GE: Hindi	Hindi Sahitya Ka Parichay – I	Hindi Sahitya Ka Parichay – II
6	GE: Konkani	Vevharantli Konkani Bhaas	Sampark Madhyamachi Konkani Bhaas
7	GE: Marathi	Film Appreciation	News Writing for Media
8	GE: Economics	Entrepreneurship Development-I	Entrepreneurship Development-II
9	GE: Geography	Economic Geography	Geography of Commercial Activities
10	GE: Political Science	Contemporary Issues in India	Contemporary Global Affairs
11	GE: Psychology	Child Psychology	Psychology of Adolescence
12	GE: Computer Science	Computer Application I	Computer Application II
13	GE: Chemistry	Basic Chemistry and Indian Scientists	Chemistry in Daily life
14	GE: Microbiology	Introduction & Scope of Microbiology	Industrial & Food Microbiology
15	GE: Physics	Basic Physics	Optics and Instrumentation
16	GE: Mathematics	Probability and Statistics	Numerical Computations

- **Note:** For each GE minimum 15 students are required and maximum 30 students. In case of less nos. than stipulated, students will be requested to offer other combination.

F.Y B.Voc. SUBJECTS for SEMESTER I & II

Admission and Examination procedure will be followed as per the Goa University Circular No. 2/590/2019-Legal (Vol.XVI)/551 dated: 31st May 2019. Syllabus and Course Structure implemented, is as per the UGC Guidelines for B.Voc. Programme and approved by Goa University.

NSQF level/ Semester	Course Code	CourseTitle	Course	Credits	Marks
	<u>GENERAL EDUCATION</u>				
Level4/ SemesterI	STG101	Fundamentals of Computers and Programming	Theory	3	75
	STG102	Web Designing Concepts	Theory	3	75
	STG103	Quantitative Techniques	Theory	2	50
	STG104	Environmental Studies -I	Theory	2	50
	STP101	Software Laboratory-I	Practical	2	50
	SKILL DEVELOPMENT Qualification Pack & On-Job-Training (OJT)				
	STS101	Junior Software Developer (SSC/QOS08)	Theory	7	600
			Practical & OJT	11	
	SemesterTotal			30	900

Certificate in Software Technologies (Semester-I)

After successfully completing the courses of Semester-I, the students are expected to acquire the skills to be employable as **Junior Software Developer**

NSQF level/ Semester	Course Code	CourseTitle	Course	Credits	Marks
	<u>GENERAL EDUCATION</u>				
Level5/ SemesterII	STG201	OOPS with Java	Theory	3	75
	STG202	Graphics Designing	Theory	3	75
	STG203	E-commerce	Theory	2	50
	STG204	Environmental Studies-II	Theory	2	50
	STP201	Software Laboratory-II	Practical	2	50
	SKILL DEVELOPMENT Qualification Pack & On-Job-Training (OJT)				
	STS201	Web Developer (SSC/QOS03)	Theory	7	700
			Practical & OJT	11	
	SemesterTotal			30	1000

Diploma in Software Technologies (Semester II)

After successfully completing the courses of Semester-II, the students are expected to acquire the skills to be employable as **Web Developer**

BSc- Electronics PROGRAMME STRUCTURE FOR (CBCS) SEM I, II, III & IV

<i>Sr. No</i>	<i>Semester</i>	<i>Course Code</i>	<i>Subject Title</i>	<i>Credits (T+P)</i>
1	I	DSC 1A ELC 101	Network Analysis and Analog Electronics	4+2
2	II	DSC 1B ELC 102	Linear and Digital Integrated Circuits	4+2
3	III	DSC 1C ELC 103	Communication Electronics	4+2
4	IV	DSC 1D ELC 104	Microprocessor and Microcontrollers	4+2

One credit practical may be designed by an instructor monitoring the course.

Skill Enhancement Courses:

<i>Sr. No</i>	<i>Semester</i>	<i>Course Code</i>	<i>Subject Title</i>	<i>Credits (T+P)</i>
3	III	SEC 1 ELC 103	Programming in C + + (Flipped Classroom)	4+2
4	IV	SEC 2 ELC 104	Smart Phone Apps Development (Flipped Classroom)	4+2