IIA Model Program Structures for the Under-Graduate Programs in Universities and Colleges in Karnataka

Sem	Discipline Core (DSC) (Credits) (L+T+P)	DisciplineElective(DSE) / Open Elective (OE) (Credits) (L+T+P)	Compulsory Cour	rses (AECC).	Skill based (Credits)	in Ennancement Courses	(SEC)	Tota
1	Discipline A1(4+2)	OE-1 (3)	Languages (Credi L1-1(3), L2-1(3)		(L+T+P)	Value based (Credits)	(L+T+P)	Cred
11	Discipline B1(4+2) Discipline A2(4+2)	OE-2 (3)	(4 hrs each)		SEC-1:Digital Fluency (2)(1+0+2)	Physical Education - Yoga (1)(0+0+2)	Health & Wellness (1) (0+0+2)	25
	Discipline B2(4+2)	kit option with Certificat	(4 hrs each)	Environmental Studies (2)		Physical Education- Sports (1)(0+0+2)	NCC/NSS/R&R(S&G)	25
Ш	Discipline A3(4+2) Discipline B3(4+2)	OE-3 (3)	L1-3(3), L2-		SEC-2:Artificial Inte-	Physical Education-	/ Cultural (1) (0+0+2)	
IV	Discipline A4(4+2) Discipline B4(4+2)	OE-4 (3)	3(3)(4 hrs each) L1-4(3), L2-	Constitution	lligence(2)(1+0+2)	Sports (1)(0+0+2)	NCC/NSS/R&R(S&G)/ Cultural (1) (0+0+2)	
V		t option with Diploma (2 Vocational-1 (3)	4(3)(4 hrs each)	- 5 1 1: (-)	641	Physical Education - Sports (1)(0+0+2)	NCC/NSS/R&R(S&G)/ Cultural (1) (0+0+2)	25
V	Discipline A5(3+2)	Vocational-1 (3)	and an experience of the control of	loose arry one o	the core subjects as N	Major and the other as	Minor	
100	Discipline B5(3+2)				Cyber Security(2)	Physical Education- Sports (1)(0+0+2)	NCC/NSS/R&R(S&G)/ Cultural (1) (0+0+2)	22
VI	Discipline A7(3+2) Discipline A8(3+2)	Vocational-2 (3)			(1+0+2) SEC-4: Professional	Physical Education -		
	Discipline B6(3+2)				Communication (2)	Sports (1)(0+0+2)	NCC/NSS/R&R(S&G)/ Cultural (1) (0+0+2)	
VII	Discipline A9(3+2)	pelor of Arts, B.A./ Bache Discipline A,E-1(3)	elor of Science, B.S	Sc. Basic Degree	(with a minimum of 1	44 credits) or senti		
	Discipline A10(3+2)	Discipline A,E-1(3)			1	i reredits) of continue	studies with the Major	
	Discipline A11(3)	Res.Methodology (3)						22
VIII	Discipline A12(3+2)	Discipline A,E-3(3)						
	Discipline A14(3)	Research Project (6)*						20
	Award of Bachelor of	Arts Honours, B.A. (Hor	S \/ Bacholou -f.c					

Protessor & Chairman Department of P.G. Studies & Research in Botany

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Curriculum Structure for the Undergraduate Degree Program

B.Sc. BOTANY

Total Credits for the Program: (176) 188

Starting year of implementation: 2021-22

Name of the Degree Program: B.Sc.

Discipline/Subject: BOTANY

Program Articulation Matrix:

This matrix lists only the core courses. Core courses are essential to earn the degree in that discipline/subject. They include courses such as theory, laboratory, project, internships etc. Elective courses may be listed separately.

	Semester	Title / Name Of the course	Program outcomes that the course addresses (not more than 3 per course)	Pre-requisite course(s)	Pedagogy##	Assessment\$
\ <u></u>	1	BOT A1 Microbial Diversity and	PO1		Ex. MOOC	Quiz
		Technology			Desk Work	
~	Z	BOT A2 Diversity of Nonflowering Plants	PO2, PO3	BOT A1	Problem solving,	Debate
	3	BOT A3 Plant Anatomy and	PO4, PO5	BOT A1 and A2		

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	Developmental Biology			Book Chapter	
4	BOT A4 Ecology and	PO4, PO5	BOT A1 A2 A3		Class work
	Conservation Biology	104, 103	BOT AT AZ A3	Seminar,	
5.	BOT A5 Plant	PO6, PO7	BOT A1 A2 A3		
	Taxonomy and				Class work
	Resource Botany			Project based learning,	
	BOT A6 Cell Biology	PO6, PO7	BOT A6 A1 A2 A3 A4		Seminar
	and Genetics		A5		·
6.	BOT A7 Plant	PO6, PO7, PO9	BOT A5	Term paper	Project writing
	Physiology and			Assignment,	
	Biochemistry				
	BOT A8 Plant	PO8. PO9	BOT A5		Articles
	Biotechnology			Group Discussion	writing,
7.	BOT A9 Molecular	PO8, PO9	BOT A6 A8		
	Biology			Research Project	Interpretation of
	BOT A10 Seed	PO9, PO10	BOT A5 A8 A9	Instrumentation	results
	Biology and Seed				
	Technology				
	BOT All Plant	PO9, PO10	BOT A5 A4 A8		
	Health Technology				200

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8.	BOT A12 Medicinal Plants and	PO9, PO10	BOT A4 A5 A7 A8	
	Phytochemistry	*		
	BOT A13 Biochemistry and Computational Biology	PO9, PO10	BOT A5 A8 A9	
	BOT A14 Research Methodology	PO9, PO10	BOT A13	

Pedagogy for student engagement is predominantly lectures. However, other pedagogies enhancing better student engagement to be recommended for each course. The list includes active learning/ course projects/ problem or project based learning/ case studies/self-study like seminar, term paper or MOOC

\$ Every course needs to include assessment for higher order thinking skills (Applying/ Analyzing/ Evaluating/ Creating). However, this column may contain alternate assessment methods that help formative assessment (i.e. assessment for learning).

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