Y. & M. Anjuman Khairul Islam's POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, CAMP, PUNE

ACADEMIC CALENDAR: 2021-2022

DEPARTMENT OF URDU, ARABIC AND PERSIAN

MONTH & YEAR	NAME OF THE EVENT TO BE UNDERTAKEN						
September 2021	 Commencement of Academic Year 2020–2021 & First Term from 01-09-2020 Commencement of Admission Process-UG (First & Second Year B.A.) Commencement of First Term / Staff Meeting Distribution of Departmental Workload, Teaching Plan, Result Analysis 						
October 2021	 Commencement of Admission Process-UG (Third Year B.A. & PG Programme) 						
November 2021	➤ Induction Program for FYBA students. ➤ Guest lecture for students						
December 2021	 Commencement of the Remedial teaching program for Students National level Mohammad Ali Mitha Memorial Essay writing Competition. 						
January 2022	 Commencement of Internal Examination UG & PG (Semester Examination) Commencement of University Examination UG 						
	FIRST TERM CONCLUDES						
February 2022	 Commencement of University Examination - PG (Semester Examination) Commencement of Second Term 						
March 2022	 Inter-Collegiate Recitation of Holy Quran Competition on All India Mohammad Ali Mitha Momerial Essay Writing Competition 						
April 2022	 All Maharashtra Payam e Rahmat Tropy (Seeratunnabi) Elocution Competition Inter-Collegiate Recitation of Holy Quran Competition on 						
May 2022	➤ Commencement of Internal Examination of UG & PG (Semester Examination)						



	ACADEMIC YEAR 2021 - 2022 CONCLUDES
July 2022	> Central Assessment Programme for First Year Examination
0.00	 Commencement of University Examination UG & PG (Semester Examination)
June 2022	Revision and previous years paper solving.

M~

Y. & M. Anjuman Khairul Islam's POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, CAMP, PUNE

ACADEMIC CALENDAR: 2021 - 2022

DEPARTMENT OF ECONOMICS, PG & RESEARCH CENTRE

MONTH & YEAR	NAME OF THE EVENT TO BE UNDERTAKEN						
September 2021	 Commencement of Academic Year 2021 – 2022 & First Term Commencement of Admission Process-UG (First & Second Year) Staff Meeting & Distribution of Departmental Workload, Teaching Plan, Result Analysis 						
October 2021	Commencement of Admission Process - (UG Third Year & PG Programme)						
November 2021	Commencement of Internal Examination UG						
December 2021	International Migrants Day Commencement of Internal Examination PG						
January 2022	Commencement of University Examination UG Commencement of University Examination PG						
	FIRST TERM CONCLUDES						
February 2022	Guest Lecture on Union budget 2022 - 2023 and Economic Recovery Workshop on Entrepreneurship Development Commencement of Second Term						
June 2022	Commencement of Internal Examination of UG & PG Commencement of University Examination UG & PG						
	ACADEMIC YEAR 2021 – 2022 CONCLUDES						

Y. & M. Anjuman Khairul Islam's POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, CAMP, PUNE

ACADEMIC CALENDAR: 2022 - 2023

DEPARTMENT OF ECONOMICS, PG & RESEARCH CENTRE

MONTH & YEAR	NAME OF THE EVENT TO BE UNDERTAKEN					
June 2022	 Commencement of Academic Year 2022 – 2023 & First Term Commencement of Admission Process-UG (First & Second Year) Staff Meeting & Distribution of Departmental Workload, Teaching Plan, Result Analysis 					
July 2022	Commencement of Admission Process - (UG Third Year & PG Programme) One Day National Seminar on Inflation in emerging economies: Issues and Measures					
October 2022	Guest Lectures on current issues Poster Presentation Commencement of Internal Examination UG & PU					
November 2022	Children's Day Guest Lecture on Banking and Finance Commencement of University Examination UG & PG					
	FIRST TERM CONCLUDES					
February 2023	One Day National Seminar					
March 2023	 Commencement of Internal Examination of UG & PG Guest Lecture on various important issues Commencement of University Examination UG & PG 					
April 2023	To celebrate Dr. B R Ambedkar Remembrance Day					
	ACADEMIC YEAR 2022 – 2023 CONCLUDES					

AKI's Poona College of Arts, Science & Commerce, Camp, Pune - 411001 Department of Electronic Science - Academic Calendar: 2021-22

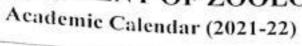
Tentative Date/s Activity							
1st Week	❖ Commencement of Academic Year 2021-22						
2 nd Week	❖ Counselling for FYBSc Admissions – post HSC result						
3 rd Week	 Commencement of MSc Admission/ TYBSc Admissions 						
4 th Week	❖ Teaching of Theory courses begins						
3 rd Week	◆ Deeksharambh – Induction Program for FY Students						
4 th Week	❖ Commencement of FY/SYBSc Online lectures						
3 rd Week	❖ Internal Assessment Tests FY/SYBSc						
1 st / 2 nd Week	♦ Internal Assessment Test FY/SY/TYBSc						
2 nd Week	❖ Cyber Security Course for P.G.section (MSc)						
4 th Week	❖ National Science Day Celebration						
	First Term/Semester concludes						
1 st /2 nd Week	 Commencement of Second Term/Semester 						
3 rd Week	♦ B.O.S. Syllabus Implementation Workshop						
4th Week	♦ TYBSc Practical Examination						
	❖ Commencement of M.Sc Lectures						
1 st Week	❖ Commencement of Second semester lectures						
2 nd Week	❖ FY/SYBSc Annual Practical Examination						
3 rd Week	❖ Education Tour of FY/SYBSc (CS) and TYBSc students						
4 th Week	◆ E-waste donation drive						
1st Week	❖ FY/SY/TYBSc/MSc Internal Examination						
3 rd Week	❖ Industrial Visit of TYBSc students						
4 th Week	♦ MSc Practical Examination						
1 st Week	Skill Development Workshop for SY/TYBSc						
2 nd Week	❖ Examination Assignments and CAP duties						
3 rd and 4 th Week	❖ Departmental NAAC Preparation						
	1st Week 2nd Week 3nd Week 4th Week 3nd Week 4th Week 3nd Week 1st / 2nd Week 2nd Week 4th Week 3nd Week 4th Week 1st /2nd Week 3nd Week 4th Week 1st /2nd Week 4th Week 1st Week 1st Week 3nd Week 4th Week 1st Week 3nd Week 4th Week 1st Week 1st Week 1st Week						

Note: Dates of all the Activities mentioned above are tentative and may change as per the decision of College Authorities/University / State Government directives.

Date: 15th June 2021 Place: Pune - 411001

Dr. A. K. Walunj H.O.D. Electronics

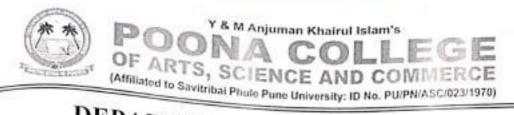
Poona College of Arts, Science & Commerce, Camp-01 DEPARTMENT OF ZOOLOGY



ir.	Month	Activities
1	September 2021	 Commencement of first term from 1st September 2021. Preparation of Time- table and distribution of workload for UG and PG in first week of September. M.Sc. admission will be started from third week. F.Y.B.Scand S.Y.B.Sc classeswill be started from last week.
2	October 2021	 Commencement of regular practical of F.Y.B.Sc and S.Y.B.Sc from first week of October. Classes of T.Y.B.Sc will commence from first week. Classes of M.ScII will start from second week. Regular practicals of T.Y.B.Sc will be started from third week. M.ScI classes will be started from last week.
	November 2021	 Induction program for F.Y.B.Sc & M.Sc-I will be organized in first week of November. Regular practical of M.Sc will start from second week. Internal theory examination of F.Y.B.Sc and S.Y.B.Sc will be conducted from third week.
1	December 2021	 Internal examination of T.Y.B.Sc will be conducted from first week of December S.P.P.U Practical Examination of F.Y, S.Y & T.Y.B.Sc will be conducted inlast week.
	January 2022	 Completion and revision of syllabus of UG will be completed by first week of January. Internal examination of M.Sc-I & II will be conducted in first week of January. S.P.P.U Examination of UG will commence from third week. Schedule of S.P.P.U Practical Examination of M.Sc I & II from last week. Conclusion of first term on 31st January 2022.
	February 2022	VACATION

7	March 2022	 Commencement of second term on 1st March 2022. Preparation of time table and distribution of workload for UG and PG in 1st Week of March. Classes of F.Y. S.Y & T.Y.B.Sc will start from second week. Regular practical of F.Y. S.Y & T.Y.B.Sc will be started from last week. One day educational visit to Fish Farm/Fish Market for T.Y.B.Sc & M.Sc students to be organized in last week of March. M.Sc 1 & II classes and
8	April 2022	 M.Sc 1 & II classes will commence from first week of April. Practical of M.Sc I & II will be started from second week. Celebration of World Down Syndrome Day on 21st March 2022. Celebration of World Veterinary Day on 30th April 2022.
9	May 2022	 Internal examination of F.Y & S.Y.B.Sc will be conducted in first week of May. Internal examination of T.Y.B.Sc will be conducted in second week. M.Sc I & II internal examination will be conducted from last week of May.
10	June 2022	 Annual practical examination of F.Y.B.Sc & S.Y.B.Sc will be conducted in first week of June. Annual practical examination of T.Y.B.Sc will be conducted in second week of June. S.P.P.U Practical Examination of M.Sc 1 & II will be conducted in third week. Conclusion of second term on 25th June 2022.

Dr. Mujeeb Shaikh Head, Department of Zoology



DEPARTMENT OF ZOOLOGY

Academic Calendar Compliance (2021-22)

Sr. No.	Month	Activities
1	September 2021	 First term was commenced from 1st September 2021. Preparation of Time- table and distribution of workload for UG and PG was done in first week of September. M.Sc. admission was completed in last week.
2	October 2021	 F.Y.B.Sc and S.Y.B.Sc classes were started in second week of October. Regular practical of F.Y.B.Sc and S.Y.B.Sc commenced from last week of October
3	November 2021	 Classes of T.Y.B.Sc commenced from first week of November. Induction program for F.Y.B.Sc was organized on 17th November 2021. Induction program for M.ScI was organized on 23rd November 2021. Classes of M.Sc-I & II were started from third week. Regular practicals of T.Y.B.Sc were started from last week.
4	December 2021	 M.Sc. practical commenced from first week. Internal theory examinations of F.Y.B.Sc and S.Y.B.Sc were conducted in second week.
5	January 2022	 Completion and revision of syllabus of UG was completed by first week of January. Internal examinations of T.Y.B.Sc were conducted from second week. M.Sc-I & II Internal examinations were conducted in second week of January. First term was concluded on 31st January 2022.
6	February 2022	VACATION S.P.P.U Practical Examination of M.Sc I & II was scheduled in last week.

7	March 2022	 Second term was commenced on 1st March 2022. Preparation of time table and distribution of workload for UG and PG was done in first week of March. Term-I Practical Examinations of F.Y, S.Y & T.Y.B.Sc were conducted in second week.
8	April 2022	 One day educational visit to Fish Market for T.Y.B.Sc & M.Scl & II students was organized on 1st April 2022. Classes of F.Y. S.Y & T.Y.B.Sc were started from second week. M.Sc I & II classes commenced from second week of April. Awareness lecture was organized on World Down Syndrome Day on 21st March 2022. Practicals of M.Sc I & II were started from last week. World Veterinary Day was celebrated on 30th April 2022.
9	May 2022	 Regular practicals of F.Y, S.Y & T.Y.B.Sc were started from first week. of May. Internal examinations of F.Y & S.Y.B.Sc were conducted in third week. T.Y.B.Sc Internal examinations were conducted in last week.
0	June 2022	 Annual practical examinations of F.Y, S.Y & T.Y.B.Sc were conducted in first week of June. S.P.P.U Practical Examinations of M.Sc I & II were conducted in first week of June. M.Sc I & II internal examination were conducted in second week. Second term was concluded on 25th June 2022.

Dr. Mujeeb Shaikh Head, Department of Zoology

AKI's

Poona College of Arts, Science & Commerce, Camp, Pune – 411001. Department of Geology

Academic Calendar (2021-22)

Month	Activities
	Commencement of Academic year 2021-22
	Preparation of timetable and workload distribution.
June 2021	Commencement of admission process for the First Year and Second
June 2021	Year B.Sc.
	• Commencement of S. Y. B. Sc. lectures in the last week. Bridge course
	for F.Y.B.Sc. Theory.
	• Commencement of F. Y. B. Sc. and T.Y.B.Sc. lectures
July 2021	• Regular practical of F.Y.B.Sc., S.Y.B.Sc. and T.Y.B.Sc.
July 2021	Add-on certificate course
	Bridge course for F.Y.B.Sc. Practicals.
	Regular Theory and Practicals of all classes.
August 2021	• Remedial classes for T.Y.B.Sc. Theory. Remedial classes for T.Y.B.Sc.
	Practicals.
September	Teachers Day Celebration program by the B.Sc.
2021	• Internal examination for F.Y.B.Sc., S.Y.B.Sc. and T.Y.B.Sc. (Theory
2021	and Practicals).
	• University Examination S.Y.B.Sc. and T.Y.B.Sc.
October 2021	Junior Supervision duties for University Theory Examination for all
	staff.
November	Winter Vacation
2021	• Commencement of teaching of 2 nd term for all classes.
December	Regular Theory and Practicals of all classes.
2021	Guidance talk
January 2022	• Geological Excursion tours for F.Y.B.Sc., S.Y.B.Sc. and T.Y.B.Sc.
February 2022	Regular Theory and Practicals of all classes continued
	• Internal examination for F.Y.B.Sc., S.Y.B.Sc. and T.Y.B.Sc. (Theory
	and Practicals).
	Day Celebration
March 2022	Annual practical examination of F.Y.B.Sc.
	Annual practical examination of S.Y.B.Sc.
	Annual practical examination of T.Y.B.Sc
April 2022	• University Theory Examination of F.Y.B.Sc., S.Y.B.Sc. and T.Y.B.Sc.
	Junior Supervision duties for University Theory Examination for all
	staff.
May 2022	• Vacations

	Sign		-	-	2		ca	P	CR	on	7	œ	ф	10	=	12		-	35	16
	Subject		2	URDU				T					ARABIC	100			PERSIAN			
	Class		4	164	MAH		TYBA GEN	TYBA SPL	SYBA GEN	Tuds YBAS	FV8.4	FYBCOM.	THE	SYBA	FRA4	FYB.COM			FYBA	FYB.COM
	No.of		4	12	- 11	t	46	35	45	30	77	97	-	40	2	24	8	Cm:	13	25
	No.of						1		1		4	-			्र		-		-	
No of Papers	Theory Practi		6																_	. 1
- 6	Practi		7	4	4	T	_	2	1	12				4	1,1	-				
Details of	No.of	papers.		4	do.			8		00	4	4	4	4	4	4	4		4	4
Details of Work Load	Total	Led. (Col.No. 5 * 6 * 8)			16			. 8		60	4		4			4	*			
1	-	8	10											_	_	_		_		1
	Total	ad of Pract. (Col.7 *8* 10)	=																	
	Total	load (Col.9+ 11)	12	0.00	22						I	32				16				16
Details of Work Load	Nam		11	Dr. ABDULBARI	32 Mrs. NOSRAT HASHEMI ZADEH*	Dr. ABRAR AHMAD					DR ABOULBARI	32 Dr. ABRAR AHMAD	KHAN MONUDON				JAWED AKHTAR	100000000000000000000000000000000000000		
	Total	periode assigne d to the teacher in Col.No. 13	2		16	000					n n	16	100				of.			
	Whether Ful Time		2		16 CHB	CHB					18 5181	7	BEIL				16 9111			
	Whethe	Teache r belongs to Reserv e e Categor y if so give	16	NA	N/A	NA					WATER	NA	AUA	200			VIII	1000		
	Remark		17									0								

Head of the Department

Khan Moinuddin

Head of the Department

Urdu, Arabic, Persian, And Post Graduate Centre

Poons College of Art, Science & Commerce

Camp, Pune - 1

AKI'S Poona College of Arts Science and Commerce Department of BBA Term I Workload 2021-22

C N/O	Name of the Facu	subject	Class	work load
S.NO	A STATE OF THE PARTY OF THE PAR	Princ. Of Marketing	Fy BBA	4
	1 Deepika Kininge	Business Demography	Fy BBA	4
_		Fundamentals of Rural Devp	SY BBA	4
		Marketing Sp.1	SY BBA	4
		Marketing SP II	SY BBA	4
		Research Methodology	TY BBA	- 4
_		Marketing Sp III	TY BBA	4
		Marketing SP IV	TY BBA	4
		Total Work load		32
,	Jahan Aara Pathan	Bus. Communication	Fy BBA	4
	THE THE PARTY OF T	Business Maths	Гу ВВА	4
		Global Comp & Personality Dev	SY BBA	4
		Bus Ethics	TY BBA	4
		Total Work load		16
3	Aqueel Bajajwala	Business Accounting	Fy BBA	4
	Aque en Eujoja and	Finance I	SY BBA	4
		Finance II	SY BBA	4
		Supply Chain Mgt	SY BBA	4
		Management of CSR	TY BBA	4
		Finance III	TY BBA	4
		Finance iv	TY BBA	4
		Total Work load		28
4	Vidyasagar	Business Economics	Fy BBA	
_		Princ, Of HRM	Fy BBA	
		HRM I	SY BBA	
		HRM II	SY BBA	
		HRM III	TY BBA	
		HRM IV	TY BBA	
		Total Work load		2
61	Faheemuddin	Database Admin	TY BBA	

AKI'S

Poona College of Arts Science and Commerce

Department of BBA Term II Workload 2021-22

5.NO	Name of the Faculty	subject	Class	work load
	1 Deepika Kininge	Business Org & Systems	Fy BBA	1
		International Bus. Mgt	SY BBA	4
		Marketing Sp III	SY BBA	4
		Marketing Sp iv	SY BBA	4
		Entrepreneurship and small bus Mgt	SY BBA	
		Business proj Mgt	TY BBA	4
		Marketing Sp I	TY BBA	4
		Marketing SP II	TY BBA	4
		Total Work load	11 0011	32
	2 Heena Sayyed	Principles of Marketing	Fy BBA	4
		Production and Oper. MGT	SY BBA	4
		HR Specialisation III	SY BBA	4
		HR Specialisation IV	SY BBA	4
		E-Commerce	TY BBA	4
		HR III	TY BBA	4
		HR iV	TY BBA	4
		Mgt of Innovations	TY BBA	4
		Total Work load		32
	3 Aqueel Bajajwala	Basics of Cost Accounting	Fy BBA	4
		Principles of Finance	Fy BBA	4
		Finance III	SY BBA	4
		Financeiv	SY BBA	4
		Decision Making and Risk Mgt	SY BBA	4
		MIS	TY BBA	4
		Finance III	TY BBA	4
		Finance iv	TY BBA	4
		Total Work load		32
	4 Riyasat Peerzade	Business Statistics	Fy BBA	4
	5 Farooque Shaikh	Fundamentals of Computer	Fy BBA	4
-	6 Amereen Hipparagi	Foreign Language	Fy BBA	30 Lectures

		Table I	, Poon	a Colle	ge of	Arts. S	lence a	nd Comm	ducation Pu	load D	nnartme	at of Fee	nomics 2021	2022			
			No of	Paper	\$		Trained a	nu comm	cice, work	JOSU D			ork Load - Al				
Sr.No.	Subject	Class	No.of Stu.	No.of Div	The ory	Practi cal	Lect.Pr	o.of escribed papers 8	Total Periods of Lect. (Col.No. 5 * 6 * 8)	No.of Batch es	Total worklo ad of Pract. (Col.7 * 8 *	Total work- load (Col.9+11	Name of the Teacher to	Total No.of periode	Whethe r Ful Time /Part Time/C HB	Whether Teacher belongs to Reserve Category	Remar
1	2	3	4	5	6	7	Theory	Practical	9	10	111	12	13	14	15	16	17
1	Indian Economic Environment G-1	FYBA	80	Div A	1		4						Dr. M. Shah	Winds Winds	13	Full Time	1/
2	Indian Economic Environment G-1	FYBA		Div B	1		4		8		•	4	Dr.Gulnawa	z Usmani	- 10	Full Time	
3	Financial System G-2	SYBA	92		1		4		4			4	Dr. Singaran	n Virtvasagar		Full Time	
4	Micro Economics S-1	SYBA	40		1		4	- 43	4	7.			Ms. Ana Ma		- 1	Full Time	
5	Macro Economics S-2	SYBA	40	1	1		4		4				Ms. Rabia K	Control of the Contro		C.H.B.	
6	Indian Economic Development G-3	TYBA	83	1	1		4	- 60	4			4				Ciriibi	
7	International Economics S-3	TYBA	50	1	1		4	*	4	74		4					
8	Public Finance S-4	TYBA	50	1	1		4		4		-	-					_
9	Business Economics (Micro I)	FYBCOM	624	4	1		4	ŧs	16		1.0	16					
10	Banking & Finance	FYBCOM	121	2	1	1	4		8			8					
11	Business Economics (Marco I)	SYBCOM	552	4	1		4		16			16					
12	Banking & Finance	SYBCOM	161	2	1	1	4		8	-		8					_
14 1	Indian & Global Economic Development	тувсо м	854	4	1		4	*	16			16		1	J.	7	
14	International Economics	TYBCO M	50	1	1	•	4	•	4			4	A	Postgrac d's Poena Coli	uate Dept	of Economic	3
15	Banking & Finance	TYBCO M	228	1	1	2	4	•	8			- 8		Ca	p, Pune	11 001.	wherea,
16	Industrial Economic	мсом і	55	1	1	•	3	*	3		1	3					
1/ 1	Industrial Economic Environment	MCOM II	45	,			3	•	3			3					
												114	Total	orkload assi		114	



	ś	į	i	H	į.
١	ı			١	V.

		*-11				Joint	Directo	r Higher E	ducation Pu	ine Rej	gion, Pur	ne					
		Table	B, Poon	a Colle	ge of	Arts, S	cience a	and Comm	erce, Work	load D	epartme	ent of Ecor	nomics 2021	- 2022			
			NOO	Paper	5						Deta	ails of Wor	k Load - Una	aided	and a second		
Sr.No.	Subject	Class	No.of Stu.	No.of Div	The	Practi cal	Lect.P	lo.of rescribed papers 8	Total Periods of Lect. (Col.No. 5 * 6 * 8)	No.of Batch es	worklo ad of	Total work- load (Col.9+11)	V10/20/01/01/03	Total No.of periode assigned to the teacher in Col.No.13	Whethe r Ful Time /Part Time/C HB	Whether Teacher belongs to Reserve Category if so give	Remar
1	2	3	4	5	6	7	Thoon	Practical		**						dotaile	
1	Micro Economics Analysis	MAI	36				6	- Practical	9	10	- 11	6	Dr. M. Shah	id J Ansari	15	16	17
2	Public Economics	MAI	36				6			-	UP YES		Serving stan	774.7 (200.0000)		Full Time	
3	International Trade	MAI	36			-	6	-	-			6	Dr.Gulnawa			Full Time	
4	Agricultural Economics	MAI	36				6		-			100	Ms. Ana Ma	m Vidyasagar atten		Full Time	
5 1	Macro Economics Analysis	MAII	20	-			6						Ms. Rabia K	AF T		Full Time	
6 1	Growth and Develpoment	MAII	20				6					6	Trial Habita II	1		C.H.B.	
$\overline{}$	Research Methodology	MAII	20	.	-	-	•		- 00			11.85					
	Demography	MAII	20	-	-	-	6	-:-	-	-		6					
9 1	Business Economics(Micro)	FYBBA	86	-	-		4		-	-		4					
0 0	Demography	FYBBA	86	-	-	-	4	-	-	-		4	-			-	-
T				T	T		56					Total	workload as	cloned		56	=

Head
Postgraduate Dept. of Economics
AKTs Poona College of Arts. Science & Commerce,
Camp, Pune - 411 001.

AKI's

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE DEPARTMENT OF COMMERCE, PG & RESEARCH CENTRE

WORKLOAD 2021-2022

Sr No	Name of the faculty	Class	Subjects	Workloa
1	Dr. Aftab Anwar Shaikh	MCOM-II	Organizational Behaviour	6
-		MCOM-II	RM	6
- 1		MCOM-I	St. Mgt.	6
2	No. Marrier Mann	MCOM-II	HRM	6
	1	MCOM-I	Production & opt.mgt	6
		MCOM-I	Costing technique & responsibility	6
3	CA Vivek Brahmankar	MCOM-II	Cost audit	6
		MCOM-I	Income tax	6
4	Mahesh Atre	T.Y.B.COM-A	Adv.A/C	4
nc_0		MCOM-II	Adv. Auditing	6
	1	MCOM-II	Bus. Finance	6
5	Dr. Hamed Hashmi	MCOM-II	Specialized auditing	6
		T.Y.B.COM-B	Costing-II	4
		TYBCOM-C	Marketing-II	4
		FYBCOM-C	BEE	4
6	Mr. Rizwan Sayed	MCOM-I	Financial Mgt	6
	193	MCOM-I	Mgt. Accounting	6
		T.Y.B.COM-A	Business regulatory framework	4
	1	T.Y.B.COM-B	Business regulatory framework	4
7	Mr. Sayyad Vakeel	TYBCOM-C	Business regulatory framework	4
	Mi. Sayyad vanees	TYBCOM-D	Business regulatory framework	4
		MCOM-I	Adv. Accounting	6
_		T.Y.B.COM-B	Costing - III	4
		T.Y.B.COM-B	Advanced accounting	4
	Ms. Wafiya Wahid	TYBCOM-D	Advanced accounting	4
8	Wadasadawala	SYBCOM-B	Costing - I	4
		TYBCOM-C	Advanced accounting	4
		MCOM-I	Advanced cost accounting	6
		S.Y.B.COM-A	Business management	4
		SYBCOM-B	Business management	4
9	Dr. Eram Khan	SYBCOM-C	Business management	4
100	1	S.Y.B.COM-D	Business management	4
		SYBCOM-C	Marketing-I	4
1		S.Y.B.COM-A	Corporat accounting	4
		SYBCOM-B	Corporat accounting	4
10	Dr. Akbar Ahmed Sayyee	SYBCOM-C	Corporat accounting	4
1	(4.02)	S.Y.B.COM-D	Corporat accounting	4
	4=====	TYBCOM-D	BA-III	4
		T.Y.B.COM-A	- Control of the Cont	4
		T.Y.B.COM-B	The state of the s	4
111	Dr.Riyasat Aminuddin	TYBCOM-C	Auditing & taxation	4
	Peerzade	TYBCOM-D	Auditing & taxation	4
		S.Y.B.COM-D	BA-I	4
111		MCOM-II	Managemnet auditing	6

AKI's

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE DEPARTMENT OF COMMERCE, PG & RESEARCH CENTRE

WORKLOAD 2021-2022

r No	Name of the faculty	Class	<u>Subjects</u>	Workload
		S.Y.B.COM-A	Business Communication	4
		SYBCOM-B	Business Communication	4
12	Mr. Mohammed Fazil	SYBCOM-C	Business Communication	4
	Shareef	S.Y.B.COM-D	Business Communication	4
	1	FYBCOM-B	Marketing -I	4
		FYBCOM-C	Financial accounts	4
1	1	FYBCOM-B	Maths	4
13	Ms, Fayeza Shaikh	FYBCOM-C	Maths	4
1	1,100,700,000	FYBCOM-D	Financial accounts	4
1	1	FYBCOM-D	Maths	4
1		FYBCOM-A	Financial accounts	4
1	T	FYBCOM-B	Financial accounts	4
14	Mr Sayeed Inamdar	TYBCOM-C	Marketing-III	4
1		SYBCOM-B	ECL	4
		S.Y.B.COM-C	ECL	4
		FYBCOM-D	OSD	4
15	Mr Irfan Shaikh	TYBCOM-D	BA-II	4
15	Mr Irian Shaikh	S.Y.B.COM-A	ECL	4
1		FYBCOM-A	E-Commerce	4
		FYBCOM-A	Computer concepts& application	4
16	Ms. Mubina Shaikh	FYBCOM-C	СРВЕ	4
100	Was Muonia Sharkii	FYBCOM-C	OSD	4
		TYBCOM-D	Advanced Accounting	4
			Total Workload	300

JOINT DIRECTOR HIGHER EDUCATION PUNE REGION PUNE

							TAI	BLE 'B' 202	1-2022						
				No of Pap	ers	Details of Wo	rk Load								
Sr. No.	Subject	Class	No.of Div	Theory	Pract.	No.of Lect. Prescribed for papers	Total Periods of Lect.	No. of Batches	Total workload of Pract.	Total work- load	Name of the Teacher to whom work-load assigned	Total No.of periods	Whether Ful Time /Part	Whether Teacher belongs to	Remark
							(Col.No. 5 * 6 * 8)		(Col.7 * 8 * 10)	(Col.9 +11)		assigned to the teacher in Col.No.1	Time/ CHB	Reserve Category if so give details	
1	2	3	5	6	7	8	9	10	11	12	13	3	15	16	17
1	Compulsory English	FYBA	2	1	NA	4	4+4	NA	NA	8	Ms. Ashwini & Mr. Zameer	4+4	FT	NO	1/
2	General English I	FYBA	NA	1	NA	4	4	NA	NA	8	Mr. Zameer Sayyed	4	FT	NO	
3	Functional English	FYBCom	4	1	NA	4	16	NA	NA	16	Ms. Shirin S. Shirazi	16	FT	NO	
4	Additional English	FYBCom	1	1	NA	4	4	NA	NA	4	Ms. Shirin S. Shirazi	4	FT	NO	
5	Compulsory English	SYBA	2	1	NA	4	8	NA	NA	8	Ms. Ashwini & Mr. Zameer	4+4	FT	NO	
6	General English II	SYBA	NA	1	NA	4	4	NA	NA	4	Ms. Zeenat Merchant	4	FT	NO	
7	Special English - I	SYBA	NA	1	NA	4	4	NA	NA	4	Ms. Ashwini Purude	4	FT	NO	
8	Special English - II	SYBA	NA	1	NA	4	4	NA	NA	4	Ms. Ashwini Purude	4	FT	NO	
9	Compulsory English	SYBSc	NA	1	NA	4	4	NA	NA	4	Mr. Zameer Sayyed	4	FT	NO	
10	Functional English	SYBCS	NA	1	NA	4	4	NA	NA	4	Mr. Asif Khan	4	FT	NO	
11	Compulsory English	TYBA	2	1	NA	4	4	NA	NA	8	Ms. Zeenat Merchant	8	FT	NO	
12	General English III	TYBA	NA	1	NA	4	4	NA	NA	4	Ms. Ashwini Purude	4	FT	NO	
13	Special English - III	TYBA	NA	1	NA	4	4	NA	NA	4	Ms. Zeenat Merchant	4	FT	NO	
14	Special English - IV	TYBA	NA	1	NA	4	4	NA	NA	4	Ms.Zeenat Merchant	4	FT	NO	
15	English Literature from 1550-1798	MA I	1	1	NA	6	6	NA	NA	6	Mr. Asif Khan	80 6	FT	NO	
16	English Literature from 1798-2000	MA I	1	1	NA	6	6	NA	NA	6	Ms. Zeenat Merchant	6	FT	NO	
17	Contemporary Studies in English Language Literary Criticism and	MA I	1	1	NA	6	6	NA	NA	6	Ms. S. S. Chopra	6	FT	NO	
18	Theory Indian Writing in	MA I	1	1	NA	6	6	NA	NA	6	Mr. Asif Khan	6	FT	NO	
19	English English Language &	MA II	1	1	NA	6	6	NA	NA	6	Ms. Ashwini Purude	6	FT	NO	
20	Literature Teaching Drama in English	MA II MA II	1	1	NA NA	6	6	NA NA	NA NA	6	Ms. S. S. Chopra Mr. Zameer Savyed	6	FT FT	NO NO	
	U				·						3.3				
22	American Literature	MA II	1	1	NA	6	4+2	NA	NA	6	Mr. Asif Khan	6	FT	NO	
\vdash				-			-				TOTAL	48			
\vdash															
	Werehant														
\Box	Meren														
\vdash	u														
\vdash	Ms. Zeenat Merchant														
\vdash	Head, Department of En	olich													
	& Postgraduate Center	511311													
$\overline{}$	et i osigraunate Cellier								l		l		1		

DEPARTMENT OF ELECTRONIC SCIENCE

Workload distribution for the Year 2021 - 2022 (Second Term)

			Ct : B. Sc.	,			Practical		
S No	Class	No. of students	No. of Papers	No. of Lects/week	Total	No. of Batches	No. of Lects./batch	Total	Total Lectures
1	FYBSc CS-A	89	2	3	6	4	5	20	26
2	FYBSc CS-B	86	2	3	6	4	5	20	26
3	SYBSc CS-A	80	2	3	6	4	5	20	26
4	SYBSc CS-A	79	2	3	6	4	5	20	26
							-	Total	104

Co	ourse; BSc(Comp. Sc	i.)			Subject:	B. Sc. Ele	ctronic for (Computer	Science	
						f Lectures				
S	Name of Teacher	FY	BSc-A	FYBS	c (CS)-B	SYBSc(CS)-A		SYBSc(CS)-B		
0	Name or Teacher	Т*	P*	т	P	т	P	т	P	Total
1	Mrs. Swaleha F. Mulla	3(E2)	5X1=10			2 (E2)	5X1=05	2 (E2)	5X1=05	22
2	Mr. Mohammed Mushtak			3(E2)	5X1=05	3(E1)	5X1=05	3(E1)	5X1=5	24
3	Mr. Abul Quais Sk.	3(E1)	5X2=10	3(E1)	5X1=05	1 (E2)		1 (E2)	-	23
1	XYZ	•	5X1=5		5X2=10		5X2=10		5X2=10	35
				C1				C	rand Total	10

*T-Theory *P- Practical

Date: 19th April 2022

Dr. A. K. Walunj

Head & Vice Principal (PG & Research)

1. Mrs. Swaleha F. Mulla

2. Mr. Mohammed Mushtak

3. Mr. Abul Quais Shaikh

(47)

DEPARTMENT OF ELECTRONIC SCIENCE

Academic Year 2021 - 2022 (First Term)

Workload distribution (Theory + Practical)

Course	: BSc	Subjec	t: B. Sc	. Electr	onie Sci	ience (R	egular)		
				Theor			Practic		
S No	Class	No. of students	No. of Papers	No. of Lects/week	Total	No. of Batches	No. of Lects. /batch	Total	Total Lectures
1	F.Y.BSc.	60	2	3	6	4	4	16	22
2	S.Y.BSc.	25	2	3	6	2	4	08	14
3	T.Y.BSc.	15	8	3	24	1	4	12	36
				(8)			Grand	Total	72

				No. of	Lectures			
04	None of Tour	FY	/BSc	SY	BSc	TY		
SN	Name of Teacher	Theory	Practical	Theory	Practical	Theory	Practical	Total
1	Dr. A. K. Walunj	***		3	8	3	4	18
2	Mr. Musharraf. H	3	4	***		9	4	20
3	Dr. A. M. Tamboli	3	4	3		6	4	20
1.	C.H.B1		4	•	*	3	2	07
.	C. H.B-2	-	4		2	3		07
						Gr	and Total	72

Date: 18th August,2021

Dr. A. K. Walunj

Prof. (On) Azunkumar K. 55 funj ROD Sebendal VerPedistlöt Francis Poona Chilege of Arts, Sci. 5 Com. Camp, Pune 415001.

av

AKI'S POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, Camp, Pune - 01. DEPARTMENT OF ELECTRONIC SCIENCE

Workload distribution of B.Sc(Computer Science)-Electronics for the Year 2021 – 2022 (First Term) –Online Mode

1	rse: BSc(C.S) C					Subject-	Electro	nics	
			-	Theory	,		Practica	-	
Sr. No.	Class	student strength	No. of Papers	No. of Lects/week	Total	No. of Batches	No. of Lects. /batch	Total	Total Lectures
	F.Y.BSc.(C.S.)- Division A	80	2	3/theory	6	4	1	10	10
2	F.Y.BSc.(C.S.)- Division B	80	2	3/theory	6	4	1	10	10
3	S.Y.BSc.(C.S.)- Division A+B	160	2	3/theory	6	8	1	14	14

B)Workload Distribution:

-	ourse: BSc(C.S) Credit	system-			Subj	ect-Elect	ronics	
				No. of	Lectures			
Sr. No.	Name of Tanahas	F.Y.BSc.(C.S.)- Division A		F.Y.BSc.(C.S.)-Division B		S.Y.BSc.(C.S.)- Division A+B		Theory +
		Theory	Practical	Theory	Practical	Theory	Practical	Practical Total
1	Mrs. Swaleha Mulla	E-2	1/week		10	E2	1/week	14 hours
2	Mr. Mohammed Mushtaque	12		E2	1/week	E1	1/week	14 hours per week
:	Mr.Abul Qais	E-1	1/week	E-1	1/week		-	14 hours per week

Dr. Arunkumar Walunj Vice-Principal & Head

Department of Electronic Science

Dr. Aftab Anwar Principal Poona College ,Pune

AKI's

Poona College of Arts, Science and Commerce, Camp Pune-01

Tentative Workload Distribution of M.Sc Electronic Science 2021-22

First Year M. Sc. Electronic Science (Semester 1)

Sr. No	Subject	Code	Credi	Teacher Name
1	Mathematical Methods in Electronics using c	ELUT111	4	Ms. Sayyed Saima
2	Analog Circuit Design	ELUT112	4	Mr. Shubham Pandey
3	Digital System Design	ELUT113	4	Ms. Sayyed Saima
4	ElectiveTheoryCourse-1(PIC Microcontroller)	ELDT114	2	Mr. Shubham Pandey
5	Practical Course 2 (Compulsory Course)	ELUP115	4	Ms. Sayyed Saima
6	Practical Course 1 (Elective Subject 1)	ELDP114	2	Mr. Shubham Pandey
		Total	20	

Second Year M. Sc. Electronic Science (Semester III)

Sr. No	Subject	Code	Credi t	Teacher Name
1	Advanced communication systems	ELUT 231	4	Mr. Shubham Pandey
2	Mechatronics and robotics	ELUT 232	4	Mr. Shubham Pandey
3	Control systems	ELUT 233	4	Ms. Sayyed Saima
4	Elective Theory Course 3	ELDT 234	2	Ms. Sayyed Saima
5	Practical Course 2 (Compulsory Course)	ELUP 235	4	Mr. Shubham Pandey
6	Practical Course 1 (Elective Subject 3)	ELDP 234	2	Ms. Sayyed Saima
		Total	20	

Ms. Sayyed Saima = 20 - Saima Mr. Shubham Pandey = 20 - Saima

Total Workload = 40

Head and VP (PG & Research)

Dr. Aftab Anwar Shaikh Principal

Y&M AKI's Poona College of Arts, Science and Commerce, Camp Pune-01 Workload Distribution of M.Sc. Electronic Science 2021-2022 First Year M. Sc. Electronic Science (Semester II)

Sr. No	Subject	Code	Credit	Teacher Name
The	ory Courses		-	
1	Applied Electromagnetics, Microwaves and Antennas	ELUT121	4	Ms. Sayyed Saima
2	Instrumentation and Measurement Techniques	ELUT122	4	Mr. Shubham Pandey
3	Foundation of Semiconductor Devices	ELUT123	4	Mr. Shubham Pandey
4	Fundamentals and applications of AVR microcontrollers	ELDT124	2	Ms. Sayyed Saima
Prac	tical Courses			
5	Practical Course 2 (Compulsory Course)	ELUP125	4	Mr. Shubham Pandey
6	Practical Course 1 (Elective Subject 1)	ELUP124	2	Ms. Sayyed Saima
		Total	20	

Second Year M. Sc. Electronic Science (Semester IV)

Sr. No	Subject	Code	Credit	Teacher Name
The	ory Courses			
1	Industrial training	ELP241	4	Mr. Shubham Pandey
2	MOOCs courses	ELT242	4	Ms. Sayyed Saima
3	Technical writing	ELT243	4	Mr. Shubham Pandey
Prac	tical Courses			
5	Project/Internship	ELP244	8	Ms. Sayyed Saima
		Total	20	12-121-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-

Total M.Sc Workload = 40

Ms. Sayyed Saima: 20 - Saime

Mr. Shubham Pandey: 20

Dr. Aftab Anwar Shaikh Principal

Dr. A. K. Walunj Head and Vice Principal (PG & Research)



POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,

Camp, Pune - 411001.

DEPARTMENT OF ELECTRONIC SCIENCE

Academic Year 2021 - 2022 (Term I and II) Workload distribution (Theory + Practical)

		Subje		Theory	onic Sci		ractical	rant in A	ud)
S No	Class	No. of students	No. of Papers	No. of Lects/week	Total	No. of Batches	No. of Lects. /batch	Total	Total Lectures
1	F.Y.B.Sc.	27	2	3	6	02	4	08	14
2	S.Y.B.Sc.	17	2	3	6	01	4	04	10
3	T.Y.B.Sc.	13	8	3	24	01	12	12	36
							Grand	d Total	60

Course:	BSc	Sub	ject: Electi	ronic Scie	nce B. Sc. (Regular)		
				No. of	Lectures	bever wind		
		F.Y.B.Sc.		S.Y.B.Sc.		T.Y	.B.Sc.	
Sr No	Name of Teacher	Theory	Practical	Theory	Practical	Theory	Practical	Total
1.	Dr. A. K. Walunj							*****
2.	Mr. Musharraf. H	03	04	00	00	09	08	24
3.	Dr. A. M. Tamboli	03	04	03	00	06	04	20
4.	Mr. Mohd. Mushtaque	00	00	03	04	00	00	07
5.	Mr. Shubham Pandey	00	00	00	00	06	00	06
	Ms. Saima Sayyed	00	00	00	00	03 G	00 rand Total	60

Date: 1ST 'Aug-2021

Dr. A. K. Walunj

Vice-Principal and H.O.D. Electronics

Detail of Distribution of Theory and Practical Batches on next page.

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE CAMP, PUNE – 411 001

DEPARTMENT OF ZOOLOGY

COURSE COMPLETION REPORT Academic Year: 2021-22 TERM - I

Name of the Teacher: Dr. Shoeb Ahmad

This is to certify that I have completed the course as mentioned below,

SR.NO.	CLASS	SUBJECT
1.	Theory	
2.	S.Y. B.Sc.	ZO - 232 Applied Zoology I
3.	T.Y. B.Sc.	ZO - 352 Histology
	T.Y. B.Sc.	ZO - 351 Pest Management
4.	M.Sc.II	ZOUT 233 Research Methodology
5.	Practical	
6.	S.Y. B.Sc.	ZO - 233 Zoology Practical Paper
7.	T.Y. B.Sc.	ZO- 357 Zoology Practical Paper 1

Signature of the Teacher

Signature of H.O.D

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE CAMP, PUNE - 411 001

DEPARTMENT OF ZOOLOGY

COURSE COMPLETION REPORT Academic Year: 2021-22 TERM - II

Name of the Teacher: Dr. Shoeb Ahmad

This is to certify that I have completed the course as mentioned below,

SR.NO.	CLASS	SUBJECT
1.	Theory	
2.	S.Y. B.Sc.	ZO - 242 Applied Zoology II
3.	T.Y. B.Sc.	ZO-366 - Evolutionary Biology
4.	Practical	
5.	S.Y. B.Sc.	ZO-243 Zoology Practical Paper
6.	T.Y. B.Sc.	ZO-367 - Zoology Practical Paper 1
7.	T.Y. B.Sc	ZO - 3611 Project
8.	M.Sc II	ZOUP 245 (Project)

Signature of the Teacher

Signature of H.O.

Department of Urdu, Arabic & Persian

Course Completion Certificate First Semester Academic Year 2021-22

Name of the Teacher: Dr. Abrar Ahmad

This is to certify that I have completed the courses as mentioned below:

Sr.No.	Class	Div.	Subject Taught
1.	F.Y.B.A.	All	Urdu General-I (11071)
2.	S.Y.B.A.	All	Urdu Special –I (23071) History of Urdu Literature Prose
3.	T.Y.B.A.	All	Urdu Special –IV (35072) Essay, Grammar and Prosody
4.	T.Y.B.A.	All	Urdu General-III (35073) Study of Novel and Drama

Signature of the Teacher

Department of Urdu, Arabic & Persian

Course Completion Certificate

Second Semester Academic Year 2021-22

Name of the Teacher: Dr. Abrar Ahmad

This is to certify that I have completed the courses as mentioned below:

Sr. No.	Class	Div.	Subject Taught
1.	F.Y.B.A.	All	Urdu General-II (12071)
2.	S.Y.B.A.	All	Urdu Special –I (24071) History of Urdu Literature Poetry
3.	T.Y.B.A.	All	Urdu Special –IV (36072) Philology and Linguistic
4.	T.Y.B.A.	All	Urdu General-III (36073) Urdu Fiction: Study Of Dastan & Afsana

Signature of the Teacher



Department of Urdu, Arabic & Persian

Course Completion Certificate First Semester

Academic Year 2021-22

Name of the Teacher: Jawed Akhtar

This is to certify that I have completed the courses as mentioned below:

Class	Div.	Subject Taught
F.Y.B.A.	All	Persian General-I (Paper I)
F.Y.B.Com	All	Persian General -I (Paper I)
S.Y.B.A.	All	Persian General-II
T.Y.B.A.	All	Persian General-III
	F.Y.B.A. F.Y.B.Com	F.Y.B.A. All F.Y.B.Com All S.Y.B.A. All

Signature of the Teacher

Department of Urdu, Arabic & Persian

Course Completion Certificate Second Semester Academic Year 2021-22

Name of the Teacher: Jawed Akhtar

This is to certify that I have completed the courses as mentioned below:

Sr.No.	Class	Div.	Subject Taught
1.	F.Y.B.A.	All	Persian General-I (Paper II)
2.	F.Y.B.Com	All	Persian General -I (Paper II)
3.	S.Y.B.A.	All	Persian General-II (Paper II)
4.	T.Y.B.A.	All	Persian General-III (Paper II)

Signature of the Teacher

Department of Urdu, Arabic & Persian

Course Completion Certificate Second and Fourth Semester Academic Year 2021-22

Name of the Teacher: Dr. Abrar Ahmad

This is to certify that I have completed the courses as mentioned below:

Sr. No.	Class	Div.	Subject Taught
1.	M.A. Part - I	All	Paper –II (20702) (Classical Prose and Poetry Texts)
2.	M.A. Part - II	All	Paper -VI (40702) (History Of Urdu Literature from 1857 to 1990)

Signature of the Teacher



Department of Urdu, Arabic & Persian

Course Completion Certificate Second Semester Academic Year 2021-22

Name of the Teacher: Mr. Khan Moinuddin

This is to certify that I have completed the courses as mentioned below:

Sr.No.	Class	Div.	Subject Taught
1.	F.Y.B.A.	All	
	T.I.D.A.	All	Arabic General-I (Paper II)
2.	F.Y.B.Com	All	Arabic General -I (Paper II)
3.	S.Y.B.A.	All	Arabic General-II
4.	T.Y.B.A.	All	Arabic General-III

Signature of the Teacher



Department of Urdu, Arabic & Persian

Course Completion Certificate

First Semester Academic Year 2021-22

Name of the Teacher: Mr. Khan Moinuddin

This is to certify that I have completed the courses as mentioned below:

Sr.No.	Class	Div.	Subject Taught
1.	F.Y.B.A.	All	Arabic General-I
2.	F.Y.B.Com	All	Arabic General -I
3.	S.Y.B.A.	All	Arabic General-II
4.	T.Y.B.A.	All	Arabic General-III

Signature of the Teacher

Anjuman Khairul Islam's POONA COLLEGE OF ARTS, SCIENCE & COMMERCE

DEPARTMENT OF ENGLISH AND POSTGRADUATE CENTERCOURSE COMPLETION REPORT

ACADEMIC YEAR 2021-2022

This is to certify that I, the undersigned, have completed the following courses assigned to me during the **First Term** for the academic year **2021** – **2022**.

Sr. No.	Name of the Course	Class	Division
1	Compulsory English	TYBA	A and B
2	Special English III	TYBA	A and B
3	Special English II	SYBA	A & B
4	Paper 1.2 English Literature from 1798	MA I	
	to the Present		

Ms. Zeenat Merchant

Merchant

Head, Department of English

& Postgraduate Center

Anjuman Khairul Islam's POONA COLLEGE OF ARTS, SCIENCE & COMMERCE

DEPARTMENT OF ENGLISH AND POSTGRADUATE CENTERCOURSE COMPLETION REPORT

ACADEMIC YEAR 2021-2022

This is to certify that I, the undersigned, have completed the following courses assigned to me during the **Second Term** for the academic year **2021** – **2022**.

Sr. No.	Name of the Course	Class	Division
1	Compulsory English	TYBA	A and B
2	Special English III	TYBA	A and B
3	Special English II	SYBA	A & B
4	Paper 1.2 English Literature from 1798	MA I	
	to the Present		

Ms. Zeenat Merchant

Merchant

Head, Department of English

& Postgraduate Center

Anjuman Khairul Islam's POONA COLLEGE OF ARTS, SCIENCE & COMMERCE

DEPARTMENT OF ENGLISH AND POSTGRADUATE CENTERCOURSE COMPLETION REPORT

ACADEMIC YEAR 2021-2022

This is to certify that I, the undersigned, have completed the following courses assigned to me during the **First Term** for the academic year **2021** – **2022**.

Sr. No.	Name of the Course	Class	Division
1	Compulsory English	SYBA	A
2	Special English I	SYBA	A & B
3	Optional English	TYBA	A& B
4	Paper 1.1 English Literature from 1550- 1798	MA I	
5	Paper 3.1 Indian Writing in English	MA II	

Dr. Ashwini Purude Assistant Professor

Ms. Zeenat Merchant
Head, Department of English
& Postgraduate Center

DEPARTMENT OF ENGLISH AND POSTGRADUATE CENTERCOURSE COMPLETION REPORT

ACADEMIC YEAR 2021-2022

This is to certify that I, the undersigned, have completed the following courses assigned to me during the **Second Term** for the academic year **2021** – **2022**.

Sr. No.	Name of the Course	Class	Division
1	Compulsory English	SYBA	A
2	Special English I	SYBA	A & B
3	Optional English	TYBA	A& B
4	Paper 1.1 English Literature from 1550- 1798	MA I	
5	Paper 3.1 Indian Writing in English	MA II	

Dr. Ashwini Purude Assistant Professor

DEPARTMENT OF ENGLISH AND POSTGRADUATE CENTERCOURSE COMPLETION REPORT

ACADEMIC YEAR 2021-2022

This is to certify that I, the undersigned, have completed the following courses assigned to me during the **First Term** for the academic year **2021** – **2022**.

Sr. No.	Name of the Course	Class	Division
1	Compulsory English	FYBA	A
2	Compulsory English	SYBA	В
3	Special English IV	TYBA	
4	English	S. Y. B. Sc.	
5	M. A. II – World Literature in English	MA II	

Mr. Zameer Salim Sayyed

Assistant Professor

Ms. Zeenat Merchant

Head, Department of English & Postgraduate Center

DEPARTMENT OF ENGLISH AND POSTGRADUATE CENTERCOURSE COMPLETION REPORT

ACADEMIC YEAR 2021-2022

This is to certify that I, the undersigned, have completed the following courses assigned to me during the **Second Term** for the academic year **2021** – **2022**.

Sr. No.	Name of the Course	Class	Division
1	Compulsory English	FYBA	A
2	Compulsory English	SYBA	В
3	Special English IV	TYBA	
4	4 English		
5	M. A. II – World Literature in English	MA II	

Mr. Zameer Salim Sayyed

Assistant Professor

DEPARTMENT OF ENGLISH AND POSTGRADUATE CENTERCOURSE COMPLETION REPORT

ACADEMIC YEAR 2021-2022

This is to certify that I, the undersigned, have completed the following courses assigned to me during the **First Term** for the academic year **2021** – **2022**.

Sr.No.	Name of the Course	Class	Division
1	Compulsory English	FYBA	В
2	Optional English	FYBA	
3	Optional English (G-2)	SYBA	A & B
4	Language for Communication	SYBSc	A & B
		(Computer)	
5	Literary Criticism and Theory	MA I	

Mr. Asif Irshad Khan Assistant Professor

DEPARTMENT OF ENGLISH AND POSTGRADUATE CENTERCOURSE COMPLETION REPORT

ACADEMIC YEAR 2021-2022

This is to certify that I, the undersigned, have completed the following courses assigned to me during the **Second Term** for the academic year 2021 - 2022.

Sr.No.	Name of the Course	Class	Division
1	Compulsory English	FYBA	В
2	Optional English	FYBA	
3	Optional English (G-2)	SYBA	A & B
4	Language for Communication	SYBSc	A & B
		(Computer)	
5	Literary Criticism and Theory	MA I	

Mr. Asif Irshad Khan Assistant Professor

ience and Commerc epartment of Geology

Course Completion Certificate Academic Year 2021-2022 (Term I)

Remarke if any					
Number of lectures	actually engaged	36	38	32	98
Number of lectures	required	36	36	98	38
Theory connect tannaht	Theoly competition	Paner P.	Page II Masine Geology	y triare	Se Co
(1900	Clabs	13.8. P. 20	1.4.B.Sc	7408-8	J.S. (B. S.C.

Remarks, if any	
Number of practicals actually engaged	11 and batch
Number of practical required	
Practical course taught	F6 Batch 516 515, S17, 4520 Batch Practical II Batch
Class	FUBSE 74BSE 74BSE

Signature of the Teache

Head, Department of Geology

Date:

ommerce, and of Arts, Science College Poona

Course Completion Certificate

Academic Year 2021-2022 (Term II)

Number of lectures actually engaged of lectures Mis. Molamina required 36 Number ass Techonics Theory course taught Oceanogy (Hobal 39.3 No. 333 Name of the Teacher: 7 4

36

of Remok

Applin

338 SEM

		Remarks, if any			
Number of practicals	actually engaged				
Number of	practical required				
	Practical course taught		Pretiend	Practical Paper I	
	Class		S.4.B.3C	1. V. B. C.	

Date:

Signature of the Teacher

Head, Department of Geology

Poona College of Arts, Science and Commerce, Camp, Pune 411 001

Department of Geology

Course Completion Certificate Academic Year 2021-2022 (Term I)

Online.

had, Department of Geology

Murthan Shouth

Class	Theory course taught	Number of lectures required	Number of lectures actually engaged	Remarks, if any
S-4.B-&	GL 211 Pager I	36	36	
TYBSE	GL 314 PROUL IV	36	36	
7.4 B.S.	GL 316 Proper VI	36	36	
T.466	SECIL	36	36	

Class	Practical course taught	Number of practical required	Number of practicals actually engaged	Remarks, if any
SYBSC	GL 213 Practicals	l i	-11	
Part of the Control o	El 39 Pra liger B	10+1	10+1	

Signature of the Teacher

Date

Poona College of Arts, Science and Commerce, Camp, Pune 411 001 Academic Year 2021-2022 (Term II) Course Completion Certificate Department of Geology

Name of the Teacher: Mr. Moham Mutton Shouth

	36	36	TYBS SEC 12	200
	36	36	Payer	TYBS-61 326
	36	36		T-4.85 GL-324
	36	36	54856 61-24 Paper I	Y.B.Sc. 6
	actually engaged	required	Theory course taught	Class
Remarks, if any	Number of lectures	Number of lectures	Theorem and the sold	2

	5.4.P.S.	F.4. B.Sc.	3.8.4.S	Class
	61328	F.Y. B. Schl 123 Prac	Cay 223	Practi
,	J.Y.B.S. 61 328 Prac Paper V	Prac. (FG	SY. B.Sc (31, 223 Pract (SIBBIG)	Practical course taught
	1	=		Number of practical required
	П	=	23	Number of practicals actually engaged
				Remarks, if any

Date:

Signature of the Teacher

Head. Department of Geology

lege Scienc

Department of Geology
Course Completion Certificate
Academic Year 2021-2022 (Term II)

Name of the Teacher: Mr. Distriction J. Showith.

	36	30	Paper 1 Gt - 322	77B51
	3	136	Paper 1 (71-122	FYB5c
	actually engaged	required	I neory course laugui	Class
Remarks if any	Number of lectures	Number of lectures		

			Bachiels	FYB5.
Remarks, if any	Number of practicals actually engaged	Number of practical required	Practical course taught	Class

Date:

ignature of the Teacher

Head, Department of Geology

nce and Commerce, Department of Geology Scien

Course Completion Certificate Academic Year 2021-2022 (Term I)

Tame of the Teacher: Mr. JAnn. J. Shan bly.

Remarks, if any	
Number of lectures actually engaged	386
Number of lectures required	38
Theory course taught	GI-112 Paper II
Class	FYBS6. TYBS6

Remarks, if any	
Number of practicals actually engaged	
Number of practical required	
Practical course taught	Bactical (Galine) Bactical I (Galine)
Class	Ty BSc.

)ate:

ignature of the Teacher

Head, Department of Ge

AKIS

POONA COLLEGE OF ARTS SCIENCE AND COMMERCE FACULTY OF COMMERCE LECTURE PLAN – YEAR 2021-22

FOR THE FIRST TERM

CLASS AND DIVISION SY BBA SEM III SUBJECT: BANKING AND FINANCE

NAME OF THE TEACHER: AQUEEL ANJUM BAJAJWALA

MONTH	PERIODS AVAILABLE	TOPICS /SUB TOPICS TO BE COVERED	PERIODS REQUIRED	REMARKS
Jun 21	10	Introduction- Origin, meaning and definition of bank, evolution of banking in India, structure of banking system in India	10	
Jul-21	14	Functions of Banks- 1. Primary functions- Accepting deposits and granting loans 2. Secondary functions- Public utility services and agency services	14	-
Aug-21	14	Reserve Bank of India (RBI) – Role and functions of RBI, Credit control measures, Qualitative and quantitative credit control Insurance Development Authority (IRDA)- Objectives, Powers and functions of IRDA SEBI- Objectives, power and functions of SEBI	06	
Sep-21	10	Need and importance of technology in banking. ATM, Debit card, Credit card, Tele banking, Net banking, mobile banking, RTGS, NEFT, Swift (Society for worldwide interbank financial telecommunication) cyber security in E-banking	02	
Total	48		48	-

AQUEEL BAJAJWAL/

POONA COLLEGE OF ART'S, SCIENCE & COMMERCE LECTURE / TEACHING PLAN

(FIRST TERM / SEMESTER III) ACADEMIC YEAR: 2021 - 2022

Name of the Teacher: Dr.Mujeeb A.J. Shaikh

Department: ZOOLOGY Class: S.Y.B.Sc. Paper:I Sem:III

Subject / Paper: ZO-231: ANIMAL SYSTEMATICS AND DIVERSITY - III(30 L)

Month & Year	Teaching Days Available	Topic / Subject to be Taught	Lectures Required
September	01	Introduction to Phylum Chordata –	01
		Salient features of Protochordata	03
October	09	Introduction to subphylum Vertebrata	02
		Introduction to class Pisces	04
		Introduction to class Amphibia	03
November	08	Study of <i>Scoliodon</i> : Systematic position, Habit and habitat, External characters	05
		Study of <i>Scoliodon</i> : Digestive system, food, feeding and physiology of digestion	03
December	09	Study of <i>Scoliodon:</i> Respiratory system, Blood vascular system	03
		Study of Scoliodon: Nervous system and sense organs	03
January	04	Study of <i>Scoliodon:</i> Male urinogenital system& female reproductive system	02
Januai y		Yolk and Placenta	01

Signature of Teacher

POONA COLLEGE OF ART'S, SCIENCE & COMMERCE LECTURE / TEACHING PLAN

(SECOND TERM / SEMESTER) ACADEMIC YEAR: 2021 - 2022

Name of the Teacher: Dr. Mujeeb A.J. Shaikh

Department: <u>ZOOLOGY</u> Class: S.Y.B.Sc. Paper:I Sem:II

Subject / Paper: ZY-221: ANIMAL DIVERSITY - IV(30 L)

Month & Year	Teaching Days Available	Topic / Subject to be Taught	Lectures Required
February	04	Introduction to class Reptilia	04
March	07	Introduction to class Aves	07
April	09	Introduction to class Mammalia	09
May	11	Study of Rat Systematic position, External characters. Digestive system Respiratory system Blood vascular system	02 02 02 02 02 03
June	11	Nervous system Sense organ Reproductive system	03 03 03

Signature of Teacher

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, CAMP, PUNE - 1

LECTURE / TEACHING PLAN (FIRST TERM / SEMESTER V) ACADENIC YEAR: 2021-22

Name of the Teacher: Dr. Mujeeb A J Shaikh

Subject: / Paper: Biological Chemistry (Paper -3)

Month & Year	Teaching Days Available	Topic / Subject to be Taught	Lectures Required
September	07	 Introduction of Bichemistry p H and Buffers: Concept of pH. 2.2 Concept of pH scale, biological significance of p H 2.3 Concept of acid and base, Ionization of acids and bases. Derivation of Henderson-Hassel Balch equation & its applications. Buffer - Definition, Concept, Functions, Types of buffer and Buffering Capacity 	07
October	10	3. Carbohydrates: Definition, Classification & Biological importance of Carbohydrates. 3.2 Isomerism in carbohydrates - Structural and Stereoisomerism. 3.4 Significance of Gluconeogenesis, Glycogenolysis and Glycogenesis. 3.3 Clinical Significance - Hypoglycemia and Hyperglycemia. 4. Amino Acids & Proteins: General Structure of amino acids and Peptide bond. Essential and non-essential amino acids. Types of proteins, protein structures (primary, secondary, tertiary and quaternary structures with suitable example), Forces responsible for their stability. Biological importance of proteins – Biocatalysts, Carrier proteins Contractile	04
November	9	proteins, Hormonal role of proteins. 5. Enzymes: Nomenclature, Types and properties of enzymes. Regulatory and non-regulatory enzymes. Enzyme inhibition. 5.4 Factors influencing enzyme activity. Introduction of isoenzymes and cofactor. Clinical significance of enzymes - PKU and AKU	9
December	08	6. Lipids: Fatty acids - Types and nomenclature (saturated and unsaturated). Clinical significance (obesity, atherosclerosis, myocardial infarction). Biological importance of lipids.	08
January	03	Revision	01

Signature of Teacher

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, CAMP, PUNE - 1

LECTURE / TEACHING PLAN

(SECOND TERM / SEMESTER VI)

ACADENIC YEAR: 2021-22

Name of the Teacher: Dr. Mujeeb Shaikh

Subject : / Paper : ZO 362 Animal Physiology (Paper II)

Month & Year	Teaching Days Available	Topic / Subject to be Taught	Lectures Required
March	04	Nutrition and digestion: Nutritional requirement & balanced diet. Digestion and absorption of carbohydrates, proteins and lipids. Vitamins - outline of fat soluble and water-soluble vitamins; Sources, deficiency and diseases.	04
April	09	Respiration: Mechanism of respiration: Regulation of ventilation in lungs, exchange of gases at respiratory surface. Respiratory pigments in animals: Haemoglobin, Hemocyanin, Hemerythrin, Chlorocruorin. Transport of gases: O2 and CO2 transport.	05
·		Circulation: Blood: Definition and its constituents, functions of blood. Heart: Structure of human heart, Pace maker, Cardiac Cycle. Origin and conduction of heart beat.	04
May	12	Excretion: Structure of Uriniferous tubule. Mechanism of urine formation. Normal and abnormal constituents of urine, Elementary idea of dialysis. Muscles: Structure of smooth, skeletal and cardiac muscles.	7
		Mechanism of muscle contraction by Sliding filament theory.	5
June	10	Reproduction and Endocrine Glands: Physiology of male reproduction, hormonal control of spermatogenesis. Physiology of female reproduction, hormonal control of menstrual cycle.	3
		Structure and functions of pituitary, thyroid, parathyroid, pancreas and adrenal glands.	7
July	01	Revision	01

Signature of Teacher

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, CAMP, PUNE - 1

LECTURE / TEACHING PLAN

(FIRST TERM / SEMESTER)

ACADENIC YEAR : 2021-22

Name of the Teacher: Dr. Shoeb Ahmad

Department: Zoology **Class:** T.Y.B.Sc **Division:** Zoology

Subject: / Paper: ZO - 352 Histology (Paper -2)

Month & Year	Teaching Days Available	Topic / Subject to be Taught	Lectures Required
Sep 2021	07	Definition and Scope of Histology Definitions and Review of Types of Tissues: Epithelial tissue, 2.2 Connective tissue., Nervous tissue, Muscular tissu	8
Oct 2021	08	Histological study of following mammalian organs: Skin (V. S.), Tooth (V. S.), Tongue (C. S.) with reference to mucosa papillae and taste buds.	7
Nov 2021	06	Histological study of Alimentary canal and Liver: Oesophagus (T. S.), Stomach (T. S.), Duodenum (T. S.), Rectum (T. S.), Liver (C. S.). Histological study of Respiratory organs: Trachea (T.S.). Lung (C. S.).	09
Dec 2021	09	Histological study of Excretory organs: Kidney(L. S.), Juxtaglomerular complex. Histological study of Reproductive organs: Testis (T. S.), Ovary (C. S.). Histology of Endocrine glands: Pituitary gland, Thyroid gland, Adrenal gland, Pancreas (C. S.)	06

Signature of Teacher

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, CAMP, PUNE - 1

LECTURE / TEACHING PLAN

(FIRST TERM / SEMESTER)

ACADENIC YEAR : 2021-22

Name of the Teacher: Dr. Shoeb Ahmad

Department: Zoology **Class:** T.Y.B.Sc **Division:** Zoology **Subject:** / **Paper:** ZO - 351 Pest Management (Paper -1)

Month & Year	Teaching Days Available	Topic / Subject to be Taught	Lectures Required
Sep 2021	04	Definition, type and damage caused by pests	03
Oct 2021	04	Pest management using Regulatory control: Quarantine. Eradication.	05
Nov 2021	04	Pest management using Cultural control: Sanitation. Tillage. Crop rotation. Cropping systems.	04
Dec 2021	03	Pest management using Biological control: Ecological considerations. Biological control of insects. Biological control of plant disease. Biological control of weeds.	03

Signature of Teacher

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, CAMP, PUNE - 1

LECTURE / TEACHING PLAN

(SECOND TERM / SEMESTER)

ACADENIC YEAR: 2021-22

Name of the Teacher: Dr. Shoeb Ahmad

 $\textbf{Department}: \textbf{Zoology} \ \textbf{Class}: \textbf{TYBSc} \ \ \textbf{Division}: \textbf{Zoology}$

Subject: / Paper: ZO-366 - Evolutionary Biology

Month & Year	Teaching Days Available	Topic / Subject to be Taught	Lectures Required
Mar 2022	06	Concept of Evolution, Origin of life, Origin of eukaryotic cell (Origin of mitochondria, plastids & symbionts).	07
Apr 2022	07	Evidences of Evolution: Analogy and Homology. Embryological Evidences of Evolution. Evolutionary & Paleontological Evidences Theories of Evolution	05
May 2022	08	Sources of variations Isolation	04
June 2022	07	Speciation Population Genetics Origin of Man:	06
July 2022	06	Zoogeographical Realms With reference to fauna: Extinctions	08

Signature of Teacher

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, CAMP, PUNE - 1

LECTURE / TEACHING PLAN

(FIRST TERM / SEMESTER)

ACADENIC YEAR: 2021-22

Name of the Teacher: Dr. Shoeb Ahmad

Department : Zoology **Class :** S.Y.B.Sc **Division :** Zoology **Subject :** / **Paper :** ZO - 232 Applied Zoology I (Paper 2)

Month & Year	Available		Lectures Required
Sep 2021	8	An introduction to Sericulture, Study of different types of silk moths, their distribution, Taxonomic position and varieties of silk produced in India: Mulberry, Tassar, Eri and Muga silk moths.	04
Oct 2021	7	External Morphology and life cycle of Bombyx mori, Cultivation of mulberry, Varieties for cultivation, Rain fed and irrigated mulberry cultivation- Fertilizer schedule, Pruning methods and leaf yield, Harvesting of mulberry: a) Leaf plucking, b) Branch cutting, Silk worm rearing: Varieties for rearing,, Rearing house, Rearing techniques, Important diseases and pests, Preparation of cocoons for marketing, Post harvest processing of cocoons	10
Nov 2021	10	An introduction to Agricultural Pests, types of pests Major insect pests of agricultural importance (Marks of identification, life cycle, nature of damage and control measures).	06
Dec 2021	10	Non insect pests: Rats, Crabs, Snails, and Squirrels, Pest control practices in brief: Cultural control, Physical control, Mechanical control, Chemical control, Biological control, Pheromonal control, Autocidal control and Concept of IPM in brief. 04, Plant protection appliances: Shoulder type Rotary duster, Knapsack sprayer, Cynogas Pump.	10

Signature of Teacher

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, CAMP, PUNE - 1

LECTURE / TEACHING PLAN

(SECOND TERM / SEMESTER)

ACADENIC YEAR: 2021-22

Name of the Teacher: Dr. Shoeb Ahmad

Department: Zoology **Class**: SYBSc **Division**: Zoology **Subject**: / **Paper**: ZO - 242 Applied Zoology II (Paper 2)

Subject: / Tap		12 Tipplied Zoology II (1 apel 2)	
Month & Year	Teaching Days Available	Topic / Subject to be Taught	Lectures Required
Mar 2021	08	An introduction to Apiculture, Systematic position, Study of habit, habitat and nesting behaviour of honeybees,	04
Apr 2021	13	Life cycle, Colony organization and Division of labour, Bee behaviour and communication (Round Dance and Wag-Tail Dance), Bee keeping equipments, Bee keeping and seasonal management, Bee products (composition and uses)	15
May 2021	11	Diseases and enemies of Bees, Bee pollination and management of bee colonies for pollination.	11
June 2021	08	An introduction to fisheries and its types. Freshwater fisheries, Marine fisheries, Brackish water fisheries.	14
July	10	Habit, habitat and culture methods of freshwater forms Harvesting methods of following marine forms Crafts and Gears in Indian Fishery, Crafts – Gears, Fish preservation technique	04

Signature of Teacher

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, CAMP, PUNE – 1 <u>LECTURE / TEACHING PLAN</u> (FIRST TERM / SEMESTER) ACADENIC YEAR: 2021-22

Name of the Teacher: Dr. Shoeb Ahmad

Department: Zoology **Class**: M.Sc I **Division**: Zoology **Subject**: / **Paper**: ZOUT 233: Research Methodology

Month & Year	Teaching Days Available	Topic / Subject to be Taught	Lectures Required
Sep 2021	8	Research: Meaning, Objectives, Types of research, Planning research project – Identifying Research problems, selection of problem – formulation of a problems. Literature review-	6
Oct 2021	7	Data Collection: Meaning, Methods and Tools of Data Collection Hypothesis Sampling, Data Processing, Analysis and Interpretation of Data. Research Design: Meaning and Objectives, Quantitative methods	10
Nov 2021	8	Computer application: bioinformatics, databases and their applications, Tools and techniques Dissertation structure	6
Dec 2021	7	Publishing of Articles in National and International Journals. Intellectual property rights and patent law	8

Signature of Teacher

	15	
4.2.5 Data Storage and Lifetimes 4.2.5 Data Storage and Lifetimes 4.3.6 The World Before main[] 4.3.1. Peripheral Control 4.3.2.Memory-Mapped I/O 4.3.3.Struct Overlays 4.3.4.Volatile Keyword 4.3.5. Bitmasks vs. Bitfields 4.3.6. Device Drivers 4.4.1. Interrupt Handling 4.4.1. Interrupt Service Routines 4.4.2.Vector Tables 4.4.3.Hardware Hurdles 4.4.4. Disabling Interrupts	4.4.5.Interrupt Leterity	
	1	**
		-

A

OD. ANDS.

AKI's,

POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE, CAMP PUNE-411 001.

FACULTY OF BBA (COMPUTER APPLICATION)

LECTURE PLAN - YEAR: 2021-2022

For the Ist Term: From 01/07/2021 to 11/12/2021

Class and Division: FYBBA (CA)

Subject: C Language

Name of the Teacher: Imran Baig Mirza

Month	Periods Available	Topic/Sub-topic to be covered	Periods Required	Remarks
Aug		Introduction to C language 1.1 History 1.2 1.2 Basic structure of C Programming 1.3 1.3 Language fundamentals 1.3.1 Character set, tokens 1.3.2 Keywords and identifiers 1.3.3 Variables and data types 1.4 1.4 Operators 1.4.1 Types of operators 1.4.2 Precedence and associativity 1.4.3 Expression Managing I/O operations 2.1 Console based I/O and related built-in I/O functions 2.1.1 printf(), scanf() 2.1.2 getch(), getchar() 2.2 Formatted input and formatted output Decision Making and looping 3.1 Introduction 3.2 Decision making structure Database Management System 3.2.1 If statement 3.2.2 If-else statement	02	
	3 3 3 3 3 3 3 3 3 4 P	3.2.3 Nested if-else statement 3.2.4 Conditional operator 3.2.5 Switch statement 3.3 Loop control structures 3.3.1 while loop 3.3.2 Do-while loop 3.3.3 For loop 3.4 Nested for loop 4.4 Jump statements 4.1 break 4.2 continue 4.3 goto 4.4 exit rograms through conditional and looping tatements ddition / Multiplication of integers tetermining if a number is +ve / -ve / even / dd Maximum of 2 numbers,		Camp. Pune-411001

Sep	15	numbers Sum of first n numbers, given n numbers Integer division, Digit reversing, Table generation for n, ab Factorial, sine series, cosine series, nCr, Pascal Triangle Prime number, Factors of a number Other problems such as Perfect number, GCD of 2 numbers etc (Write algorithms and draw flowcharts) Arrays and Strings 5.1 Introduction to one-dimensional Array 5.1.1 Definition 5.1.2 Declaration 5.1.3 Initialization 5.2 Accessing and displaying array elements 5.3 Finding smallest and largest number from array 5.4 Reversing array 5.5 Finding odd/even/prime number from array 5.4 Introduction to two-dimensional Array 5.4.1 Definition 5.4.2 Declaration 5.4.3 Initialization 5.5 Accessing and displaying array elements 5.6 Matrices: Addition, Multiplication, Transpose, Symmetry, upper/lower triangular 5.7 Introductions to Strings 5.7.1 Definition 5.7.2 Declaration 5.7.3 Initialization 5.8 Standard library functions 5.9 Implementations without standard library functions.	12	
Oct	17	Functions 6.1 Introduction 6.1.1 Purpose of function 6.1.2 Function definition 6.1.3 Function declaration 6.1.4 Function call 6.2 Types of functions 6.3 Call by value and call by reference 6.4 Storage classes Introduction to pointer 7.1 Definition 7.2 Declaration 7.3 Initialization 7.4 Indirection operator and address of operator 7.5 Pointer arithmetic 7.6 Dynamic memory allocation 7.7 Functions and pointers Structures 8.1 Introduction to structure 8.2 Definition 8.3 Declaration 8.4 Accessing members 8.5 structure operations 8.6 nested structure	04	
Total	48		48	



Signature of Teacher

WINT S

POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE, CAMP PUNE-411 001.

FACULTY OF BACHELOR IN BUSINESS ADMINISTRATION (COMPUTER APPLICATION)

LECTURE PLAN - YEAR:2021-2022

For the I* / III* / V*Term: From 01/07/2021 to 11/12/2021

Class and Division: FYBBA (CA)

Subject: Database Management System

Name of the Teacher: Dr. Reshma Kadam

Month	Periods Available	Topic/Sub-topic to be covered	Periods Required	Remark
Aug	1.0	File Structure and Organization 1.1 Introduction 1.2 Logical and Physical Files 1.2.1 File 1.2.2 File Structure 1.2.3 Logical and Physical Files Definitions 1.3 Basic File Operations 1.3.1 Opening Files 1.3.2 Closing Files 1.3.3 Reading and Writing 1.3.4 Seeking 1.4 File Organization 1.4.1 Field and Record structure in file 1.4.2 Record Types 1.4.3 Types of file organization 1.4.3.1 Sequential 1.4.3.2 Indexed 1.4.3.3 Hashed 1.5 Indexing 1.5.1 What is an Index? 1.5.2 When to use Indexes? 1.5.3 Types of Index 1.5.3.1 Dense Index 1.5.3.2 Sparse Index	06	
		Database Management System 2.1 Introduction 2.2 Basic Concept and Definitions 2.2.1 Data and Information 2.2.2 Data Vs Information 2.2.3 Data Dictionary 2.2.4 Data Item or Field 2.2.5 Record 2.3 Definition of DBMS 2.4 Applications of DBMS 2.5 File processing system Vs DBMS 2.6 Advantages and Disadvantages of DBMS 2.7 Users of DBMS 2.7.1 Database Designers 2.7.2 Application programmer	34	Cam Pune-4

		2.7.3 Sophisticated Users	48	
Sep	440	2.7.4 End Users 2.8 Views of Data		
- Park	100	2.9 Data Models		
		2.9.1 Object Based Logical Model a. Object		
		Oriented Data Model b. Entity Relationship		
		Data Model		
		2.9.2 Record Base Logical Model		
		a. Relational Model		
		b. Network Model	6.04	
		c. Hierarchical Model		
		2.10 Entity Relationship Diagram(ERD)		
		2.11 Extended features of ERD		
		2.12 Overall System structure		
		Relational Model		
		3.1 Introduction		
		3.2 Terms		
		a. Relation		
		b. Tuple		
		c. Attribute		
		d. Cordinality		
		e. Degree of relationship set		
		f. Domain		
		3.3 Keys		
		3.3.1 Super Key		
		3.3.2 Candidate Key		
		3.3.3 Primary Key		
		3.3.4 Foreign Key		
		3.4 Relational Algebra Operations		
		a. Select		
		b. Project		
		c. Union		
		d. Difference		
		e. Intersection	02	
		f. Cartesian Product	3753	
0a	14	g. Natural Join		
		SQL (Structured Query Language)	*	
			12	
		4.1 Introduction 4.2 History Of SQL	.0A-5	
		4.2 History Of SQL 4.3 Basic Structure		
		4.4 DDL Commands		
		4.5 DML Commands		
		4.6 Simple Queries		
		4.7 Nested Queries		
		4.8 Aggregate Functions		
V.	ns	Relational Database Design	DK.	
No	118	5.1 Introduction		
		5.2 Anomalies of un normalized database 5.3		
		Normalization		
		5.4 Normal Form		
		5.4.1 1 NF		
		5.4.2 2 NF		
		5.4.3 3 NE 5 18 18 18 NO COLOR		-
	48	60	Factorn	
Total	77.0	100		

Camp, Pune-411001

Signature of Tracker

AKI's,

POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE, CAMP PUNE-411 001.

FACULTY OF BBA (COMPUTER APPLICATION)

LECTURE PLAN - YEAR: 2021-2022

For the IIrd Term: From 01/01/2022 to 20/05/2022

Class and Division: FYBBA (CA)

Subject: Relational Data Base

Name of the Teacher: Mirza Imran Baig

Month	Periods Available	Topic/Sub-topic to be covered	Periods Required	Remarks
Nov	16	Introduction To RDBMS Introduction to popular RDBMS product and their features Difference Between DBMS and RDBMS Relationship among application programs and RDBMS	05	
		PL-SQL Overview of PLSQL Data Types, PLSQL Block Exception Handling Functions, Procedures Cursor Trigger Package	п	
Dec	16	Transaction Management Transaction Concept Transaction Properties Transaction States Concurrent Execution Serializability	16	
Jan	16	Concurrency Control & Recovery System Lock Based Protocol Timestamp Based Protocol Deadlock Handling Failure Classification Recovery & Atomicity Recovery with concurrent transaction	16	
Total	48		48	



Signature of Teacher

AKI's,

POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE,

CAMP PUNE-411 001.

FACULTY OF BBA (COMPUTER APPLICATION)

	FAC	LECTURE PLAN - YEAR: 2021-2022		
	F	or the 11 nd Term: From 01/01/2022 to 20/05/2	2022	
ass and D	ivision: FYB	BA (CA) Subject: Advance	C Programn	ning (Add (
ame of the	Teacher: M	irza Imran Baig		
Month	Periods Available	Topic/Sub-topic to be covered	Periods Required	Remarks
Jan	08	Union and Enumeration 1.1Union 1.1.2. Def, Syntax. 1.2 Working with union 1.3 Initializing union 1.4 Advantages of union 1.5 Structures versus union 1.6 Advantages of union Enumeration 1.7 Enum keyword 1.8 typedef keyword 1.9 Working with Enum File handling: 2.1 File 2.1.1 Def 2.1.2 File Opening Modes 2.1.3 Types of files - text and binary, 2.2 Functions: fopen(), fclose(), fgetc(), fputc(), fgets(), fputs(), fscanf(), fprintf(), getw(), putw(), fread(), fwrite(), fseek(),ftell() etc	05	
Feb	07	2.3 File Management 2.3.1 Opening/Closing a File 2.3.2. Input/Output operations on Files 2.3.3. Error Handling During I/O Operations 2.3.4. Command Line Arguments 2.4. Random Access File	01	
		Graphics programming 3.1 Introduction of graphics 3.2 Graphical functions 3.3 Simple Programs	02	
		Hardware Interfacing with C 4.1.Introduction 4.1.1 The C Standard(s) 4.2. Embedded C Fundamentals 4.2.1.Fixed-Width Integers 4.2.2 Binary Data Manipulation 4.2.3.Fixed and Floating Point Math 4.2.4 Performance Improvement	(E)	Camp.

4.2.5 Data Storage and Lifetimes

- 1		4.2.6 The World Before main()		
		4.3. Peripheral Control		
- 1		4.3.1. Peripheral Registers		
- 1		4.3.2.Memory-Mapped I/O		
		4.3.3.Struct Overlays		
		4.3.4.Volatile Keyword		
		4.3.5. Bitmasks vs. Bitfields 4.3.6. Device		
		Drivers		
		4.4. Interrupt Handling		
- 1		4.4.1. Interrupt Service Routines		
		4.4.2.Vector Tables		
		4.4.3.Hardware Hurdles	1.0	
		4.4.4. Disabling Interrupts		
		4.4.5.Interrupt Latency		
Total	15		15	



Signature of Teacher

AKI's,

POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE, CAMP PUNE-411 001.

FACULTY OF BBA (COMPUTER APPLICATION)

LECTURE PLAN - YEAR:2021-2022

For the IIIrd Term: From 01/07/2021 to 11/12/2022

Class and Division: SYBBA (CA)

Subject: Digital Marketing

Month	Periods Available	Topic/Sub-topic to be covered	Periods Required	Remark
Aug	Available 16	E-Commerce 1.1 Introduction 1.2 Understanding Internet Marketing 1.3 Search Engine Optimization 1.4 Search Engine Marketing 1.5 Email Marketing 1.6 Digital Display Marketing Introduction to New Age Media (Digital) Marketing 2.1 What is Digital Marketing 2.2 Digital vs. Real Marketing 2.3 Digital Marketing Channels 2.4 Types of Digital Marketing (Overview)-Internet Marketing,	04	
		Social Media Marketing, Mobile Marketing Creating Initial Digital Marketing Plan 3.1 Content management 3.2 SWOT analysis: Strengths, Weaknesses, Opportunities, and Threats 3.3 Target group analysis EXERCISE: Define a target group Marketing using Web Sites 4.1 Web design 4.2 Optimization of Web sites 4.3 MS Expression Web EXERCISE: Creating web sites, MS Expression	04	
Sep	16	Search Engine Optimization 5.1 SEO Optimization 5.2 Writing the SEO content EXERCISE: Writing the SEO content Customer Relationship Management 6.1 Introduction to CRM 6.2 CRM platform 6.3 CRM models EXERCISE: CRM strategy	04	
		Social Media Marketing 7.1 Understanding Social Media Marketing 7.2 Social Networking (Facebook, Linkedin, Twitter, etc.) Media (Blogging, Video Sharing - Youtube, Photoskovic Instagram, Podcasts)	Camp, une #11001	8

	ı	7.4 Modes of Social Media Marketing 7.4.1 Creating a Facebook page Visual identity of a Facebook page, Types of publications, Facebook Ads, Creating Facebook Ads, Ads Visibility	
Oct	16	7.4.2 Business opportunities and Instagram options Optimization of Instagram profiles, Integrating Instagram with a Web Site and other social networks, Keeping up with posts 7.4.3 Business tools on LinkedIn Creating campaigns on LinkedIn, Analyzing visitation on LinkedIn 7.4.4 Creating business accounts on YouTube, Advertising, YouTube Analytics 7.4.5 E-mail marketing E-mail marketing plan, E-mail marketing campaign analysis, Keeping up with conversions 7.5 Digital Marketing tools: Google Ads, FaceBook Ads, Google Analytic, Zapier, Google Keyword Planner EXERCISE: Social Media Marketing plan. EXERCISE: Making a Facebook page and Google Ads	12
		7.02203	08
	1	Digital Marketing Budgeting	
		8.1 Resource planning	
		8.2 Cost estimating	
1	1	8.3 Cost budgeting	48
		8.4 Cost control	67.490
Total	48		



Signature of Teacher

AKI's,

POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE, CAMP PUNE-411 001.

FACULTY OF BBA (COMPUTER APPLICATION)

LECTURE PLAN - YEAR: 2021-2022 For the III'd Term: From

Subject: PHP

Class and Division: SYBBA (CA) Subject: PHP

Class and Division: SYBBA (CA) Subject: PHP

Live Invan Baie01/07/2021 to 11/12/2021

Month	Periods Available	firza Imran Baig01/07/2021 to 11/12/2021 Topic/Sub-topic to be covered	Periods Required	Remarks
Aug	16	PHP Basics 1.1 Setting up a development environment 1.2 Variables, numbers and strings 1.3 Calculations with PHP 1.4 Using Arrays Control Structures and Loops	06	
		2.1 Conditional Statements 2.2 Using Loops for Repetitive tasks 2.3 Combing Loops and Arrays	07	
		Functions, Objects and Errors 3.1 PHP's Built-in functions 3.2 Creating Custom functions	8	
		5.2 Creating Custom functions	03	
		3.3 Passing Values by Reference 3.4 Understanding Objects	04	
Sep	16	Working with Forms 4.1 Building a Form 4.2 Processing a Form's Data 4.3 Differences between POST and GET 4.4 Preserving User Input	07	
		More with Forms 5.1 Dealing with checkboxes and radio buttons 5.2 Retrieving values from lists	05	
			02	1
Oct	16	5.3 Validating and restricting data 5.4 Sending Email	0.2	
		Storing and Protecting Data 6.1 Setting and Reading Cookies 6.2 Protecting Online Files	07	
		6.3 Understanding Session Variables MySQL Database Overview 7.1 phpMyAdmin Overview 7.2 Using a MySQL Database 7.3 Reading and Writing Data	07	
Total	48	ARTS, SCIENT	48	

Art. I S,

POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE, CAMP PUNE-411 001.

FACULTY OF BBA (COMPUTER APPLICATION)

LECTURE PLAN - YEAR: 2021-2022

For the IIIrd Term: From 01/07/2021 to 11/12/2021

Class and Division: SYBBA (CA)

Subject: BlockChain

Month	Periods Available	irza Imran Baig Topic/Sub-topic to be covered	Periods Required	Remarks
Aug	16	1.Introduction To Blockchain 1.1 Digital Trust 1.2 Asset 1.3 Transactions 1.4 Distributed Ledger Technology 1.5 Types of network 1.6 Components of blockchain or DLT 1.7 Ledger 1.7.1. Blocks 1.7.2. Blockchain 1.8 PKI and Cryptography 1.8.1. Private keys 1.8.2. Public keys 1.8.3. Hashing 1.8.4. Digital Signature 1.9. Consensus 1.9.1. Byzantine Fault 1.9.2. Proof of Work 1.9.3. Poof of Stake 1.10. Security 1.10.1.DDos 1.11 Cryptocurrency 1.12.Digital Token 2.How Blockchain Works 2.1 How Blockchain Works 2.2. Structure of Blockchain	12	
		2.2. Structure of Blockchain 2.3.Block 2.4. Hash 2.5. Blockchain	04	
Sep	16	2.6. Distributed 2.7. Lifecycle of Blockchain 2.8. Smart Contract 2.9. Consensus Algorithm 2.10 Proof of Work 2.11 Proof of Stake 2.12 Practical Byzantine 2.13 Fault Tolerance 2.14 Actors of Blockchain 2.15 Blockchain developer 2.16 Blockchain operator 2.17 Blockchain regulator 2.18 Blockchain user 2.19 Membership service provider 2.20 Building A Small Blockchain Application	LE	Camp,

		Introduction to Bitcoin 3.1 Currency 3.2 Double Spending 3.3 Cryptocurrency 3.4 P2P Payment Gateway 3.5 Wallet 3.6 Mining	08
Oct	16	Ethereum 4.1.Ethereum network 4.2. EVM 4.3.Transaction fee 4.4.Mist 4.5.Ether, gas 4.6.Solidity - Smart contracts 4.7.Truffle 4.8.Web3 4.9.Design and issue Cryptocurrency	08
		4.10. Mining 4.11. DApps 4.12. DAO Introduction To Hyperledger Fabric V1.1 5.1. Introduction to Hyperledger 5.2 What is Hyperledger 5.3 Why Hyperledger 5.4 Where can Hyperledger be used 5.5 Hyperledger Architecture 5.6 Membership 5.7 Blockchain 5.8 Transaction 5.9 Chaincode 5.10 Hyperledger Fabric 5.11 Features of Hyperledger	08
Total	48		48



Signature of Teacher

AKI's,

POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE, CAMP PUNE-411 001.

FACULTY OF BACHELOR IN BUSINESS ADMINISTRATION (COMPUTER APPLICATION)

LECTURE PLAN - YEAR:2021-2022

For the I^{st} / III^{rd} / $V^{th}Term:$ From 01/07/2021 to 11/12/2021

Class and Division: SYBBA (CA)

Subject: Data Structures

Name of the Teacher: Dr. Reshma Kadam

Month	Periods Available	Topic/Sub-topic to be covered	Periods Required	Remarks
Aug	10	Basic Concept and Introduction to Data Structure 1.1 Pointers and Dynamic Memory Allocation 1.2 Algorithm-Definition and characteristics 1.3 Algorithm Analysis -Space Complexity - Time Complexity - Asymptotic Notation Introduction to Data structure 1.4 Types of Data structure 1.5 Abstract Data Types (ADT) Introduction to Arrays and Structure 1.6 Types of array and Representation of array 1.7 Polynomial - Polynomial Representation - Evaluation of Polynomial - Addition of Polynomial 1.8 Self Referential Structure	05	
		Linear Data Structures 2.1 Introduction to Arrays - array representation 2.2 Sorting algorithms with efficiency - Bubble sort, Insertion sort, Merge sort, Quick Sort, Selection Sort	05	
Sep		2.3 Searching techniques –Linear Search, Binary search Linked List 3.1 Introduction to Linked List 3.2 Implementation of Linked List – Static & Dynamic representation, 3.3 Types of Linked List	06	
	1	Singly Linked list(All type of operation) Doubly Linked list (Create, Display) Circularly Singly Linked list (Create, Display) Circularly Singly Linked list (Create, Display)	COLEGE	Camp, une-411001

		3.4 Generalized Linked List – Concept and Representation Stack 4.1 Introduction 4.2 Representation- Static & Dynamic 4.3 Primitive Operations on stack 4.4 Application of Stack 4.5 Conversion of Infix, prefix, postfix, Evaluation of postfix and Prefix 4.6 Simulating recursion using stack	08	
		Queue 5.1 Introduction 5.2 Representation - Static & Dynamic 5.3 Primitive Operations on Queue	::01	
		5.4 Circular queue, priority queue	. 03	
Oct	14	Trees 6.1 Concept & Terminologies 6.2 Binary tree, binary search tree 6.3 Representation – Static and Dynamic 6.4 Operations on BT and BST – create, Insert, delete, counting leaf, non-leaf & total nodes 6.5 Tree Traversals (preorder, inorder,	н	
		postorder)		
Nov	08	6.6 Application – Heap sort 6.7 Height balanced tree- AVL trees- Rotations, AVL tree examples. Graph 7.1 Concept & terminologies 7.2 Graph Representation – Adjacency	.07	
Tabak	40	matrix, adjacency list, inverse Adjacency list, adjacency multilist, orthogonal list 7.3 Degree of Graph 7.4 Traversals – BFS and DFS 7.5 Applications – AOV network – topological sort, AOE network – criticalPath		
Total	48		48	

Signature of Teacher



POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE, CAMP PUNE-411 001.

FACULTY OF BACHELOR IN BUSINESS ADMINISTRATION (COMPUTER APPLICATION)

LECTURE PLAN - YEAR:2021-2022

For the Ist / IIIIrd / Vth Term: From 01/07/2021 to 11/12/2021

Class and Division: SYBBA (CA)

Subject: ANGULAR JS

Name of the Teacher: Dr. Reshma Kadam

Month	Periods Available	Topic/Sub-topic to be covered	Periods Required	Remarks
Aug	10	AngularJS Core Concepts: What is AngularJS? Difference between Javasript and Angular JS Advantages of Angular AngularJS MVC Architecture Introduction to SPA Setting up the environment First App using MVC architecture AngularJS Directives and Expressions: Understanding ng attributes ng-app, ng-init, ng-model, ng-controller	08	
Sep	16	ng-bind, ng-repeat, ng-show, ng-readonly, ng-disabled, ng-if, ng-click Expression and Data Binding Working with directives AngularJS Modules, Controller, View and Scope: Angular Modules Angular Controller	08	
Oct	14	Angular View Scope hierarchy Filter, Forms and Ajax Filters Built-in filters - upper case and lower case filters, date ,currency and number formatting ,orderBy, filter ,custom filter Angular JS Forms - Working with AngularJS forms, model binding, form controller ,Using CSS classes, form events , custom model update triggers ,custom validation, \$http service Ajax implementation using \$http	12	
Nov	08	Dependency Injection, Services What is dependency injection? Understanding services Using built-in service Creating custom service Injecting dependency in service	08	
Fotal	48	and the second s	48	



Signature of Teacher

POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE, CAMP PUNE-411 001.

FACULTY OF BBA (COMPUTER APPLICATION)

LECTURE PLAN - YEAR: 2021-2022

For the VIth Term: From 01/01/2022 to 20/05/2022

Class and Division: SYBBA (CA)

Subject: Advance PHP

Name of the Teacher: Mirza Imran Baig

Month	Periods Available	Topic/Sub-topic to be covered	Periods Required	Remark
Nov	16	Introduction to Object Oriented Programming in PHP 1.1 Classes 1.2 Objects 1.3 Introspection 1.4 Serialization 1.5 Inheritance 1.6 Interfaces 1.7 Encapsulation Web Techniques 2.1 Server information	06	
		2.2 Processing forms 2.3 Sticky forms 2.4 Setting response headers XML 3.1 Introduction XML 3.2 XML document Structure 3.3 PHP and XML 3.4 XML parser 3.5 The document object model	06	
Dec		3.6 The simple XML extension 3.7 Changing a value with simple XML Ajax with PHP 4.1 Understanding java scripts for AJAX 4.2 AJAX web application model 4.3 AJAX -PHP framework 4.4 Performing AJAX validation 4.5 Handling XML data using php and AJAX 4.6 Connecting database using php	02	
	5 5 5	introduction to Web Services 5.1 Definition of web services 5.2 Basic operational model of web services, 5.3 Benefits and challenges of using web 6.4 services.	OS Camp	

POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE, CAMP PUNE-411 001.

FACULTY OF BACHELOR IN BUSINESS ADMINISTRATION (COMPUTER APPLICATION)

LECTURE PLAN - YEAR: 2021-2022

For the I^{et} / III^{et} / V^{et}Term: From 01/07/2021 to 11/12/2021

Class and Division: TYBBA (CA)

Subject: Core Java

Name of the Teacher: Mr.Faheemuddin Ahmed

Month	Periods Available	Lopic/Sub-topic to be covered	Periods Required	Remarks
Aug	10	Java Fundamentals 1.1 Introduction to Java. 1.1 Features of Java 1.2 Basics of Java: - Data types, variable, expression, operators, constant. 1.3 Structure of Java Program. 1.4 Execution Process of java Program. 1.5 JDK Tools. 1.6 Command Line Arguments.	05	
		1.7 Array and String: 1.7.1 Single Array & Multidimensional Array 1.7.2 String, String Buffer 1.8 Built In Packages and Classes: 1.8.1 java.util: - Scanner, Date, Math etc. 1.8.2 java.lang	05	
Sep 16	16	Classes, Objects and Methods 2.1 Class and Object 2.2 Object reference 2.3 Constructor: Constructor Overloading 2.4 Method: Method Overloading, Recursion, Passing and Returning object form Method	OS .	
	2.5 new operator, this and static keyword, finalize() method 2.6 Nested class, Inner class, and Anonymous inner class Inheritance, Package and Collection 3.1 Overview of Inheritance 3.2 inheritance in constructor 3.3 Inheriting Data members and Methods, 3.4 Multilevel Inheritance – method	. I.S		
		overriding Handle multilevel constructors 3.5 Use of super and final keyword 3.6 Interface: 3.7 Creation and Implementation of an interface, Interface reference 3.8 Interface inheritance 3.9 Dynamic method dispatch 3.10 Abstract class 3.11 Comparison between Abstract Class	E C	Camp.

POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE, CAMP PUNE-411 001.

FACULTY OF BACHELOR IN BUSINESS ADMINISTRATION (COMPUTER APPLICATION)

LECTURE PLAN - YEAR:2021-2022

For the IInd / IVth / VIth: From 01/01/2022 to 20/05/2022

Class and Division: TYBBA (CA)

Subject: Android Programming

Name of the Teacher: Dr. Reshma Kadam

Month	Periods Available	Topic/Sub-topic to be covered	Periods Required	Remarks
Nov	08	INTRODUCTION TO Android Programming 1.1 What is Android? 1.2 History and Versions 1.3 Android Architecture 1.4 Basic Building Blocks 1.5 Android API Levels 1.6 Application Structure 1.7 First Hello World Program ACTIVITY, INTENT AND LAYOUT 2.1 Introduction to Activity 2.2 Activity life cycle 2.3 Introduction to Intent	04	
Dec	14	2.4 Types of Intent(Implicit and Explicit Intent) 2.5 Layout Manager 2.5.1View and View Group 2.5.2 Linear Layout 2.5.3 Relative Layout 2.5.4 Table Layout 2.5.5 Grid Layout 2.5.6 Constraint Layout 2.5.7 Frame Layout 2.5.8 Scroll Layout	03	
		BASIC UI DESIGN 3.1 Button(Push Button, Check Box, Radio Button, Toggle Button, Image Button) 3.2 Text Fields 3.3 Spinner 3.4 List View 3.5 Toast 3.6 Scroll View 3.6.1 ProgressBar View	10	a15 ca
		3.7 Auto Complete Text View 3.8 Dialog Box • 3.8.1 Alert Dialog. • 3.8.2 DatePicker Dialog. • 3.8.3 TimePicker Dialog.	W COULEGE	Camp. une-411001

		• 3.8.4 Custom Dialog.		
		ADAPTER AND MENU 4.1 Base Adapter 4.2 Array Adapter	ai .	
Jan	14	4.3 ListView using Adapter 4.4GridView using Adapter 4.5Photo Gallery using Adapter 4.6 Using Menu with Views 4.6.1 Option Menu 4.6.2 Context Menu 4.6.3 Popup Menu	04	
		THREADS AND NOTIFICATION 5.1 Worker thread 5.2 Handlers & Runnable 5.3 AsynTask (in detail) 5.4 Broadcast Receiver 5.5 Services 5.5.1 Service life Cycle 5.5.2 Bounded Service 5.5.2 Unbounded Service 5.6 Notification 5.7 Alarm 5.8 Accessing Phone services(Call,SMS) CONTENT PROVIDER 6.1 Content Providers	06	
		6.2 SQLite Programming 6.3 SQLiteOpenHelper 6.4 SQLiteDatabse	04	
Feb	12	6.5 Cursor 6.6 Searching for content 6.7 Adding, changing, and removing content 6.8 Building and executing queries 6.9 Android JSON	04	
		LOCATION BASED SERVICES AND GOOGLE MAP 7.1 Display Google Maps 7.1.1 Creating the project 7.1.2 Obtaining the Maps API Key 7.1.3 Displaying the Map 7.1.4 Displaying the Zoom Control 7.1.5 Changing Views 7.1.6 Navigating to a specific location 7.1.7 Adding Markers 7.1.8 Getting the location that was touched 7.1.9 Geocoding and Reverse Geocoding 7.2 Getting Location Data 7.3 Magnitoring a Location	0.8	
Total	48	7.3. Monitoring a Location	48	
1 0021				

Carry, 11901

Signature of Teacher

POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE,

CAMP PUNE-411 001.

FACULTY OF BACHELOR IN BUSINESS ADMINISTRATION (COMPUTER APPLICATION)

LECTURE PLAN - YEAR:2021-2022

For the II^{nt} / IVⁿ / VIⁿ: From 01/01/2022 to 20/05/2022

Class and Division: SYBBA (CA)

Subject: Computer Networking

Name of the Teacher: Mr.Faheemuddin Ahmed

Month	Periods Available	Topic/Sub-topic to be covered	Periods Required	Remarks
No	(%	Basics of Computer Networks 1.1 Computer Network 1.1.1 Definition 1.1.2 Goals 1.1.3 Applications 1.1.4 Structure 1.1.5 Components	02	
		1.2 Topology 1.2.1 Bus 1.2.2 Star 1.2.3 Ring 1.2.4 Mesh 1.3 Types of Networks 1.3.1 LAN, MAN, WAN, Internet 1.3.2 Broadcast & Point-To-Point Networks 1.4 Communication Types 1.4.1 Serial 1.4.2 Parallel 1.5 Modes of Communication: 1.5.1 Simplex 1.5.2 Half Duplex 1.5.3 Full Duplex 1.6 Server Based LANs & Peer-to-Peer LANs 1.6.1 Comparison of both 1.7 Protocols and Standards		
Dec	14	Network Models 2.1 Design issues of the layer 2.2 Protocol Hierarchy 2.3 ISO-OSI Reference Model; 2.3.1 Layers in the OSI Model 2.3.2 Functions of each layer 2.4 Terminology 2.4.1 SAP 2.4.2 Connection Oriented services 2.4.3 connectionless services Transmission Media 3.1 Guided Media(Wired); 3.1.1 Coaxial Cable:- Physical Structure, Standards, BNC Connector, Applications 3.1.2 Twisted Pair:- Physical Structure, UTP	65	Camp Pune-41100

		vs STP, Connectors, Applications 3.1.3 Fiber Optics Cable :- Physical Structure, Propagation Modes (Single Mode & Multimode), Connectors, Applications 3.2 Unguided Media(Wireless) 3.2.1 Electromagnetic Spectrum For Wireless Communication 3.2.2 Propagation Methods 3.2.2.1 Ground, 3.2.2.2 Sky, 3.2.2.3 Line-Of-Sight 3.3.3 Wireless Transmission 3.3.1 Radio Waves 3.3.3.2 Infra-Red, 3.3.3 Micro-Wave	06	
Jan	114	Wired and Wirless LANs 4.1 IEEE Standards 4.2 Standard Ethernet 4.2.1 MAC Sublayer 4.2.2 Physical layer	06	
		4.3 Fast Ethernet 4.3.1 MAC Sublayer 4.3.2 Physical layer 4.4 Gigabit Ethernet 4.4.1 MAC Sublayer 4.4.2 Physical layer 4.5 Network Interface Cards(NIC)	608	
		4.5.1 Components of NIC 4.5.2 Functions of NIC 4.5.3 Types of NIC 4.6 Wireless LAN 4.6.1 IEEE802.11 Architecture 4.6.2 MAC Sub layer 4.6.3 Frame Format Network Connectivity Devices 5.1 Categories of Connectivity Devices 5.1.1 Passive & Active Hubs 5.1.2 Repeaters 5.1.3 Bridges 5.1.3.1 Transparent Bridges(Loop Problem, Spanning Tree) 5.1.3.2 Source Routing Bridges 5.1.4 Switches 5.1.5 Router 5.1.6 Gateways 5.2 Network Security Devices 5.2.1 Firewalls 5.2.1.1 Packet-Filter firewall 5.2.1.2 Proxy firewall		
Feft	12	Network Security 6.1 Introduction 6.2 Need for Security 6.3 Security Services: 6.3.1 MessageConfidentiality, Integrity, Authentication, Non repudiation. 6.3.2 Entity (User)- Authentication.	03	
		6.4 Types of Attack 6.5 Cryptography, PlainText, Cipher Text, Encryption, Decryption, Symmetric Key and Asymmetric Key Cryptography 6.6 SubstitutionTechniques, Caesar Cipher, and Transposition Cipher (Problems should be covered.) 6.7 Firewalls- Packet Filter firewall, Proxy firewall	S SOULEGE	Camp. Pune-411001

POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE AKI's

DEPARTMENT OF BBA-CA TIME-TABLE -YEAR [2021-22] FY BBA (CA) [SEM-1]

10:30-11:20	09:40 - 10.30	08:50 - 09:40		08:00 - 08:50		TIME
C-PROG (MIB) (TT)	COMM (JP)		STAT	(SS)	DD A	MON
BC (JP) (TT)	(JP)	IVIC	CTAT	(SS)		ТСЕ
POM (DK) (TT)	BUS. COMM (JP)		100	PPA (SS)		WED
STAT (TT)	DBMS (RK)	C-PRG (MIB)	(DN)	POM		THU
DBMS (RK)	DBMS (RK)	C-PRG (MIB)	(DK)	POM		FRI
PPA (SM)	DBMS (RK)	C-PRG (MIB)	(DK)	POM	100	C

(SS - Dr. Shabana Shaikh, RK - Dr Reshma Kadam, MIB - Dr. Mirza Imran Baig, , JP- Ms. Jahan Ara Pathan, DK - Dipika Kininge)



DR. SHABANA SHAIKH HOD

Department of ECA(CA)

ARCs Proma Chings of Arts Science &

Commission Camp, Prod-1



PROF. (DR) AFTAB ANWAR SHAIKH PRINCIPAL



POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE

DEPARTMENT OF BBA-CA TIME-TABLE-YEAR[2021-2022] SYBBA (CA) [SEM-III]

11.20 - 12.10	10.30 - 11.20	10:00-10:30	09:10-10.00	08:20-09:10	07:30-08:20	HMI	
(IMB)	Digital Marketing (IMB)		Big Data (FA)	DS (RK)	Angular JS (RK)	MON	
(IMB)	Digital Marketing (IMB)	BREAK	Big Data (FA)	DS (RK)	Angular JS (RK)	TUE	
PHP (IMB)	Digital Marketing (IMB)		BRI	Big Data (FA)	DS (RK)	Angular JS (RK)	WED
Block Chain (IMB)	(SS)		Practical (RK)	Practical (RK)	Practical (RK)	THU	
Block Chain (IMB)	SE (SS)		Practical (RK)	Practical (RK)	Practical (RK)	FRI	
Block Chain (IMB)	(SS)		Practical (RK)	Practical (RK)	Practical (RK)	SAT	

(SS - Dr. Shabana Shaikh, RK -Dr. Reshma Kadam, FA - Fahcemuddin Ahmed, IMB - Dr. Imran Mirza Baig)

DR.SHABANASHAIKH HOD

PEAD
Contentraced of EBA(CA)
Alth Pennis College of Arts, Science &
Collymores, Canp, Pane-1



PROF. (DR) AFTAB ANWAR SHAIKH PRINCIPAL



POONACOLLEGEOFARTS, SCIENCE AND COMMERCE

DEPARTMENT OF BBA-CA TIME-TABLE-YEAR [2021-2022] TYBBA (CA) [SEM-V]

10:30 01:30	09:10-10:00	08:20-09:10	07:30-08:20	TIME
	Cyber Security (RK)	Python	Core Java (FA)	MON
	Cyber Security (RK)	Python	Core Java (FA)	TUE
	Cyber Security (RK)	Python	Core Java (FA)	WED
Practical (FA)	Project (SS)	OOSE (FA)	Mongo DB (FA)	THU
Practical (FA)	Project (SS)	OOSE (FA)	Mongo DB (FA)	FRI
Practical (FA)	Project (SS)	OOSE (FA)	Mongo DB (FA)	SAT

(SS - Dr. Shabana Shaikh, RK - Dr. Reshma Kadam, FA - Faheemuddin Ahmed)

DR.SHABANASHAIKH HOD

Depart HEAD

THE Fund College of Sets Seption E

Colombiant Could profess Seption E



PROF.(DR)AFTABANWARSHAIKH PRINCIPAL

DEPARTMENT OF BACHELOR IN BUSINESS ADMINISTRATION (COMPUTER APPLICATION)

INDIVIDUAL TIME - TABLE (Year 2021-2022)

Name of the Lecturer: Dr. Reshma Kadam

Name of			Tuesday	Wednesday	Thursday	Friday	Saturday
Lecturer		Monday	Incount	(Area and Area)		Practical	Practical
Timing		1	Angular JS	Angular JS	Practical	SYBBA-CA	SYBBA-CA
08.00	P	Angular 3S SYBBA-CA	SYBBA-CA	SYBBA-CA	SYBBA-CA	Online	Online
To	C	Online	Online	Online	Online	Continue	
08.50	H	Official			I me of earl	Practical	Practical
	-	DS	DS	DS	Practical	SYBBA-CA	SYBBA-CA
08.50	P	SYBBA-CA	SYBBA-CA	SYBBA-CA	SYBBA-CA	Online	Online
To	C	Online	Online	Online	Online	Comme	
09.40	H	Lymnia	The same of the sa		T was see	DBMS	DBMS
	14	Cyber	Cyber	Cyber	DBMS	Dibline	1970280
09.40	P	Security	Security	Security	FYBBA-CA	FYBBA-CA	FYBBA-CA
	10	TYBBA-CA	TYBBA-CA	TYBBA-CA			Online
Te	C	Online	Online	Online	Online	Online	1 tolling
10.30	H	Onime	- Santa				
-	T n						
11.00	P	-					
To	1000						
11.50	Н						
Timing Available on the Campus							

P- Paper Subject

C- Class/Division

H- Hall No

Head of the Dept.

Principal

Sign. Of the Lecturer

Polam

HEAD Department of BBA(CA) ART's Picture College of Arts, Science & Commerce, Comp. Pung-1



DEPARTMENT OF BACHELOR IN BUSINESS ADMINISTRATION (COMPUTER APPLICATION)

INDIVIDUAL TIME - TABLE (Year 2021-2022)

Name of the Lecturer: Dr. Reshma Kadam

Class/ Division	Subject/Paper	No. of Student	No. of Lecturer	Remarks
Theory:	DBMS	88	04	
Tal Tal	Data Structure using C (DS)	83	04	
	Angular JS	83	04	
	Cyber Security	83	04	
Practical:				
	SYBCA Practical (DS/Angular JS/PHP)	83	12	
	TYBCA Project		04	
Remission:				

Total workload per week: 32



AKI'S

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, CAMP, PUNE

INDIVIDUAL TIME - TABLE

(Year 2021-2022)

Name of the Lecturer: Mr. Faheemuddin Ahmed

Lecturer	_	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Timing		10000000	-	Core Java			
8.00	P	Core Java	Core Java	The second secon			
To	C	TYBBA(CA)	TY8BA(CA)	TYBBA(CA)			
8.50	H	Online	Online	Online			
9:36	-				DOCE	OOSE	OOSE
9.00	P	Data Administration	Data Administration	Data Administration	OOSE	(320)	TYBBA(CA)
	-	2 200 100 100 100 100 100 100 100 100 10	TYBBA	TYBBA	TYBBA(CA)	TYBBA(CA)	
To	C	TYBBA	The second secon	Online ·	Online	Online	Online
9.50	H	Online	Online	Comme			
			-		Practicals(10:00	Practicals(10:00	Practicals (10:00
10.00	P	Big Data	Big Data	Big Data	Am to 1:30)	Am to 1:30)	Am to 1:30)
					TYBBA CA	TYBBA CA	TYBBA CA
To	C	SYBBA(CA)	SYBBA(CA)	SYBBA(CA)	TYBBACA	Tibbreen	MAN STOREST
100		- T-	Online	Online	Online	Online	Online
10.50	н	Online	Onnie	Constant Con			
Cimina	12:00					24	
Fiming Evailable in the	4.00	Till I					
ampus						TOO!	

P- Paper/Subject

C- Class/Division

H- Hall No

Head of the Dept.

HEAD Department of SBA(CA) ANT's Poons Cooling of Arts, Science & Commerce, Camp, Pune-1 Principal

Camp.

AKI'S

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, CAMP, PUNE INDIVIDUAL TIME - TABLE

(Year 2021-2022)

Name of the Lecturer: Mr.Faheemuddin Ahmed

en a minimum	Subject/Paper	No. of Student	No. of Lecturer	Remarks
Class/ Division	Subjectivities	The second secon		
Theory:	THE PERSON NAMED IN	Maria San	The second second	
or mp 4 (CA)	Big Data	83	04	
SYBBA(CA)	CORE JAVA	83	04	1
TYBBA(CA)	OOSE	83	04	
TYBBA(CA)		78	04	1
TYBBA	Database Administration	10		10
	Administration			15.65
				1000
Practical's:	Lamana A (CA)	83	12	
TYBBA(CA)	TYBBA (CA) Practical (Ad.Java, Ad. Web Technologies)	0.0		
	10 × 10 × 40	21	04	
TYBBA(CA)	Project Work	21		430
				164
Remission:				450
				1
The state of the s				

Total workload per week: 32

Head of the Dept.

Principal

DEPARTMENT OF BACHELOR IN BUSINESS ADMINISTRATION (COMPUTER APPLICATION)

INDIVIDUAL TIME - TABLE (Year 2021-2022)

Name of the Lecturer: Dr. Reshma Kadam

Lecturer		Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Timing		100		-	Practical	Practical	Practical
07.30	p	C++	C++	C++	SYBBA(CA)	SYBBA(CA)	SYBBA(CA)
To	C	SYBBA(CA)	SYBBA(CA)	SYBBA(CA)	BCA Lab	BCA Lab	BCA Lab
08.20	H	M7	M7	M7	BCA Lat	Process of the second	
00.20		The same of the sa	The same of the same of	Process of the second	Practical	Practical	Practical
08.20	1.0	Android Pro	Andreid Pro	Android Pro	SYBBA(CA)	SYBBA(CA)	SYBBA(CA)
To	C	TYBBA(CA)	TYBBA(CA)	TYBBA(CA)	The second secon	BCA Lab	BCA Lub
09.10	H	Mfi	M6	M6	BCA Lab	Dr.O. Lan	
0.7:10	1				Practical	Practical	Practical
69.10	P		DS		SYBBA(CA)	SYBBA(CA)	SYBBA(CA)
To	C		SYBBA(CA)		The second secon	BCA Lab	BCA Lab
10.00	11		Online		BCA Lab	DCA Lab	Design and
Total Control	26				Node JS	Node JS	Node JS
10.50	P	C++			SYBBA(CA)	SYBBA(CA)	SYBBA(CA)
To	C	SYBBA(CA)			M7	M7	M7
11.40	R	M7			MI		Sour-
NAME OF TAXABLE PARTY.	132				Node JS		Project
11.40	P				SYBBA(CA)		SYBBA-CA
To	C				M7		BCA Lab
12.30	H				Mer.		Microsoph Company
Timing Available on the Campus							

P. Paper Subject

C- Class Division

H- Hall No

Department of SDA(CA) AAD's Proma Conseys of Arts, Science & Commerce, Camp, Pune-1

Head of the Dept.

Principal



DEPARTMENT OF BACHELOR IN BUSINESS ADMINISTRATION (COMPUTER APPLICATION)

INDIVIDUAL TIME - TABLE (Year 2021-2022)

Name of the Lecturer: Dr. Reshma Kadam

Class/ Division	Subject/Paper	No. of Student	No. of Lecturer	Remarks
Theory:	C++	83	04	Tit III AS
	Android Programming	83	04	
	Node JS	83	04	
Practical:				
1300001	SYBCA Practical (C++/NODE JS/ ADV, PHP)	79	12	
Malan	SYBBA-CA Project		04	
			-	
Remission:				

Total workload per week: 32

Head of the Dept.

MEAD
Department of SDA(CA)
ART's Poons Gotoge of Arts, Science A
Commerce, Camp, Pump 1

Principal

Camp.

AKI'S

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, CAMP, PUNE

INDIVIDUAL TIME - TABLE

(Year 2021-2022)

Name of the Lecturer: Mr. Faheemuddin Ahmed

		Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Lecturer		a contract			N. W.	RTI	RTI
7.30	P	Adv Java	Adv Java	Adv Java	RTI	TYBBA(CA)	TYBBA(CA)
To	C	TYBBA(CA)	TYBBA(CA)	TYBBA(CA)	TYBBA(CA)	M6	M6
8.20	Н	M6	M6	M6	M6	1410	
0.20							9-7-
9.00	P	Networking	Networking	Networking			
	c	SYBBA(CA)	SYBBA(CA)	SYBBA(CA)		1000	
To	H	M7	M7	M7	100	100	
9.50	**					1000000	
10.00	P	Practical	Practical	Practical	RTI (TT) (10:00 to 10:50)	Adv Java (TT) (10:00 to 10:50)	
		J. Commission		TYBBA(CA)	TYBBA(CA)	TYBBA(CA)	
To	C	TYBBA(CA)	TYBBA(CA)	Libbutter		-17-	
			BCA LAB	BCA LAB	M6 .	M6	
12.30	H	BCA LAB	DCA LAD	100000 TOWN			
Timing	07:30						
Available on the Campus	to 4,00						

P. Paper Subject

C- Class/Division

H- Hall No

Head of the Dept.

Principal

Sign. Of the Lecturer

Department of STIA(CA) Commerce, Camp, Farry 1



AKI'S

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, CAMP, PUNE INDIVIDUAL TIME - TABLE

(Year 2021-2022)

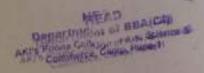
Name of the Lecturer: Mr.Faheemuddin Ahmed

Class/ Division	Subject/Paper	No. of Student	No. of Lecturer	Remarks
Theory:				
SYBBA(CA)	Networking	83	04	
TYBBA(CA)	Adv Java	83	04	
TYBBA(CA)	RTI	83	04	
Practical's:				
TYBBA(CA)	TYBBA (CA) Practical	83	12	
TYBBA(CA)	Project Work	21	04	
Remission:	1			
TANK TO SEE				197
				1

Total workload per week: 28

Head of the Dept."

Principal





DEPARTMENT OF BACHELOR IN BUSINESS ADMINISTRATION (COMPUTER APPLICATION)

INDIVIDUAL TIME - TABLE (Year 2021-2022) FIRST TERM

Name of the Lecturer: Dr. Imran Baig Mirza

Lecturer Timing		Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
08.50	I P	10			C-PROG	C-PROG	C-PROG
To	C				FYBBA-CA	FYBBA-CA	FYBBA-CA
09,40	Н				Online	Online	Online
10.30	P	Digital Marketing	Digital Marketing	Digital Marketing			
To	C	SYBBA-CA	SYBBA-CA	SYBBA-CA			
11.20	Н	Online	Online	Online			
11.20	P	PHP	PHP	PHP	Block Chain	Block Chain	Block Chain
To	C	SYBBA-CA	SYBBA-CA	SYBBA-CA	SYBBA-CA	SYBBA-CA	SYBBA-CA
12.10	H	Online	Online	Online	Online	Online	Online
12.30	P				Practical	Practical	Practical
To	C				FYBBA-CA	FYBBA-CA	FYBBA-CA
02.30	H				Online	Online	Online
Timing Available on the Campus							

P- Paper/Subject

C- Class/Division

H-Hall No

Head of the Dept.

HEAD Department of BEA(CA) AACTO Punno Guileyar ar Arts, Science & Commerce, Carpe, Pune-7 Principal



DEPARTMENT OF BACHELOR IN BUSINESS ADMINISTRATION (COMPUTER APPLICATION)

INDIVIDUAL TIME - TABLE (Year 2021-2022) FIRST TERAM

Name of the Lecturer: Dr. Imran Baig Mirza

Subject/Paper	No. of Student	No. of Lecturer	Remarks
C LANGUAGE	88	04	
Digital Marketing	83	04	
PHP	22	04	
Block Chain	36	04	
FYBBA-CA (C Language/DBMS)	88	12	
	Digital Marketing PHP Block Chain FYBBA-CA (C	C LANGUAGE 88 Digital Marketing 83 PHP 22 Block Chain 36 FYBBA-CA (C 88	C LANGUAGE 88 04 Digital Marketing 83 04 PHP 22 04 Block Chain 36 04 FYBBA-CA (C 88 12

Total workload per week: 28

Head of the Dept.

HEAD
Department of BBA(CA)
AKI's Penns College of Arts. Science &
College of Arts. Science &

Principal



DEPARTMENT OF BACHELOR IN BUSINESS ADMINISTRATION (COMPUTER APPLICATION)

INDIVIDUAL TIME - TABLE (Year 2021-2022) SECOND TERM

Name of the Lecturer: Dr. Imran Baig Mirza

Lecturer Timing		Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
CONTRACTOR OF THE PARTY OF THE		The same of	- Contract 100	AND STATE OF			
07.30	P	Practical	Practical	Practical			
To	C	FYBBA-CA	FYBBA-CA	FYBBA-CA			
10.00	H	BCA LAB	BCA LAB	BCA LAB			
07:30					Relational Database	Relational Database	Relational Database
To					FYBBA-CA	FYBBA-CA	FYBBA-CA
08:20					M7	M7	M7
and I	1700		(6)				
08.20	P		2		Advance C	Advance C	Advance C
To	C				FYBBA-CA	FYBBA-CA	FYBBA-CA
09.10	H		G		M7	M7	M7
10.00	P	JQuery	JQuery	JQuery			
To	C	SYBBA-CA	SYBBA-CA	SYBBA-CA			
10.50	H	M6	M6	M6			
10.50	P				Advance PHP	Advance PHP	Advance PHP
To	C				SYBBA-CA	SYBBA-CA	SYBBA-CA
11.40	H				M6	M6	M6
Timing Available on the Campus		07:30 AM To 03:00 PM	7:30 AM To 03:00 PM				

P- Paper/Subject

C- Class/Division

H- Hall No

Head of the Dept.

HEAD Department of SBA(CA) Principal



DEPARTMENT OF BACHELOR IN BUSINESS ADMINISTRATION (COMPUTER APPLICATION)

INDIVIDUAL TIME - TABLE (Year 2021-2022) SECOND TERM

Name of the Lecturer: Dr. Imran Baig Mirza

Class/ Division	Subject/Paper	No. of Student	No. of Lecturer	Remarks
Theory:	Relational Database	88	04	
	Advance C	88	04	
	Advance PHP	22	04	
	JQuery	83	04	
Practical:				
	FYBBA-CA (C Language/DBMS)	88	12	
Remission:				
Remission:			1	
			+	

Total workload per week: 28

Head of the Dept.

Department of SSA(CA) Pottis Callege of mile, Science & Commerce, Carte, Potte-1 Principal



Poona College of Arts, Science and Commerce Camp, Pune – 411001

Department of Bachelor in Business Administrator (Computer Application)

Course Completion Certificate - 2021-2022 TERM – I & II

Name of the Staff Member: Dr. Reshma Kadam

Sr. No.	Class	Subject	Remark
1	FYBBA(CA) Sem I	Database Management System	Completed
2	SYBBA(CA) Sem III	Data Structures	Completed
3	SYBBA(CA) Sem III	Angular JS	Completed
4	TYBBA(CA) Sem V	Cyber Security	Completed
5	SYBBA(CA) SEM III	Practical	Completed
6	SYBBA(CA) SEM IV	Object Oriented Programming Using C++	Completed
7	SYBBA(CA) SEM IV	Node JS	Completed
8	TYBBA(CA) SEM VI	Android Programming	Completed
9	SYBBA(CA) SEM IV	Project	Completed
10	SYBBA(CA) SEM IV	Practical	Completed

Date:



Signature of the staff member

Poona College of Arts, Science and Commerce Camp, Pune – 411001

Department of Bachelor in Business Administrator (Computer Application)

Course Completion Certificate - 2021-2022 TERM - I & II

Name of the Staff Member: Mr.Faheemuddin Ahmed

Sr. No.	Class	Subject	Remark
1	SYBBA(CA) Sem III	Big Data	Completed
2	TYBBA(CA) Sem V	Core Java	Completed
3	TYBBA(CA) SEM V	Object oriented Software Engineering(OOSE)	Completed
4	TYBBA(CA) SEM V	Practical	Completed
5	TYBBA(CA) SEM V	Project	Completed
6	SYBBA(CA) SEM IV	Networking	Completed
7	TYBBA(CA) SEM VI	Recent Trends in IT	Completed
8	TYBBA(CA) SEM VI	Advanced Java	Completed
9	TYBBA(CA) SEM VI	Practical	Completed
10	TYBBA(CA) SEM VI	Project	Completed

Date:



Signature of the staff member

POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE, CAMP PUNE-411 001.

FACULTY OF BBA (COMPUTER APPLICATION) COURSE COMPLETION CERTIFICATE – 2021-22

TERM-I&II

Name of the staff member: Dr. Mirza Imran Baig

Sr. No.	Class	Subject	Remark
1	FYBBA (CA) SEM-I	C Language	Completed
2	FYBBA (CA) SEM-I	Computer Laboratory Based on 103 &104	Completed
3	FYBBA (CA) SEM-II	Relational database	Completed
4	FYBBA (CA) SEM-II	Computer Laboratory Based on 204 & 205(2 credits each)	Completed
5	FYBBA (CA) SEM-II	Add-On (Advance C)	Completed
6	SYBBA (CA) SEM-III	Digital Marketing	Completed
7	SYBBA (CA) SEM-III	PHP	Completed
В	SYBBA (CA) SEM-III	BlockChain	Completed
9	SYBBA (CA) SEM-IV	ADVANCE PHP	Completed
10	SYBBA (CA) SEM-IV	jQuery	Completed
11	SYBBA (CA) SEM-IV	Project	Completed

Date:



Signature of the Staff Member

Y & M, AKI'S

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,

Camp, Pune - 411001

LECTURE / TEACHING PLAN SECOND SEMESTER (CBCS) (T-11)

Academic year 2020 - 2021

Name of the Teacher

: Dr. Aafreen Abrar Ahmed

Department

: Botany

Class: F. Y. B. Sc.

Subject/ Paper

: PLANT LIFE AND UTILIZATION-II

	Month & Year	Teaching Days Available	Topic / Subject to be taught	Lectures Required
	February 2021	12	INTRODUCTION: Introduction to plant diversity- Pteridophytes, Gymnosperms and Angiosperms with reference to vascular plants.	03
			 PTERIDOPHYTES: General characters, Outline classification according to Sporne (1976) up to classes with reasons. Life cycle of Nephrolepis w.r.t. Habit, habitat, distribution, morphology, anatomy of stem and leaf, 	09
	Manah		Reproduction – vegetative and sexual	01
	March 2021	11	Utilization and economic importance of Pteridophytes. I. GYMNOSPERMS: General characters, Outline	02
			classification according to Sporne (1977) up to classes with reasons. Life cycle of Cycas w.r.t. Habit, Habitat, Distribution, Morphology and Anatomy of Stem, leaf and reproductive organs- Male cone, Microsporophyll, microspores and megasporophyll, megaspore; structure of seed;	08
	April 2021	14	Utilization and economic importance of gymnosperms. 2. ANGIOSPERMS: General characters, Outline of	04
	2021		classification of Bentham and Hooker's system up to series, comparative account of monocotyledons and dicotyledons.	10
	May 2021	13	Utilization and economic importance of Angiosperms: In food, fodder, fibers, horticulture and medicines. Assignment	10
-	June	12	Revision	03
	2021		Seminars	06
	July 2021	15	University Examinations	

Signature of teacher

Signature of HOD

Y & M, AKI'S

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,

Camp, Pune - 411001

LECTURE / TEACHING PLAN

SECOND SEMESTER (CBCS) (7-11)

Academic year 2020 - 2021

Name of the Teacher

: Dr. Shafikh Shaikh

Department

: Botany

Class: F. Y. B. Sc.

Subject/ Paper

: PRINCIPLES OF PLANT SCIENCE

Month & Year	Teaching Days Available	Topic / Subject to be taught	Lectures Required
February 2021	12	1. Introduction, definition and scope of plant physiology.	03
2021		2. Diffusion – definition, importance of diffusion in plants, imbibition as a special type of diffusion.	03
		 Osmosis – definition, types of solutions (hypotonic, isotonic, hypertonic), endosmosis, exo-osmosis, osmotic pressure, turgor pressure, wall pressure, importance of osmosis in plants. 	. 06
		 Plasmolysis – definition, mechanism and significance. 	04
March 2021	12	Cell cycle in plants- importance of cell cycle in plants, divisional stages of mitosis and meiosis.	04
		 Introduction and scope of molecular biology, central dogma of molecular biology. 	04
		2. Structure of DNA, nucleoside and nucleotide	04
April 2021	12	Watson Crick model of DNA and its characteristic features, types of DNA (A, B and Z DNA).	03
		4. Types of chromosomes.	04
-1		5. Structure and types of RNA.	03
May 2021	13	6. DNA replication- Types of replication (conservative, semi- conservative and dispersive),	04
		Enzymes involved, leading and lagging strands, Okazaki fragments.	05
June- 2021	12	Home work	06
		Revision	06
July-2021	15	University Examination	

Signature of teacher

Signature of HOD

Y & M AKI'S

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,

Camp, Pune - 411001

LECTURE/ TEACHING PLAN SECOND TERM/SEMESTER (T-11)

Academic year 2020 - 2021

Name of the Teacher

: Dr. Rafik U. Shaikh

Department

: Botany

Class: S.Y.B.Sc.

Subject/ Paper

: Plant Anatomy and Embryology (P-I)

Month & Year	Teaching Days Available	Topic / Subject to be taught	Lectures Required
February 2021	11	Credit-I Plant anatomy: 1. Introduction 1.1 Definition 1.2 Scope of plant anatomy	02
		2. Epidermal tissue system 2.1 Structure, types and functions of epidermis 2.2 Structure, types and functions of Stomata 2.3 Epidermal outgrowths- non-glandular and glandular 2.4 Motor cells	03
		3. Mechanical tissue system 3.1 Principles involved in distribution of mechanical tissues with one example each a) Inflexibility, b) Incompressibility, c) Inextensibility and d) Shearing stress 3.2 Vascular tissue system: Structure and function of xylem, phloem and cambium	03
		4. Normal secondary growth 4.1 Introduction 4.2 Normal secondary growth in dicotyledonous stem 4.3 Development of annual rings, periderm, bark, tyloses and lenticel	03
March 2021	12	5. Anomalous secondary growth 5.1 Introduction 5.2 Causes of anomalous secondary growth 5.3 Anomalous secondary growth in: a) Dicotyledonous stem (Bignonia), b) Dicotyledonous root (Raphanus), c) Monocotyledonous stem (Dracaena)	04
		Credit-II Plant Embryology 7. Introduction 7.1 Definition and scope of plant embryology	01
		Microsporangium and male gametophyte Structure of tetrasporangiate anther	

		8.2 Types of tapetum	04
		8.3 Sporogenous tissue	,
		8.4 Microsporogenesis: process and its types	
		8.5 Types of microspore tetrad	
		8.6 Male gametophyte: structure and development of male	
		gametophyte	
		9 Megasporangium and female gametophyte	
		9.1 Structure	
		9.2 Types of ovules	
		9.3 Types of megaspore tetrads	03
		9.4 Female gametophyte: structure of typical embryo sac	
		9.5 Types of embryo sacs – monosporic, bisporic and tetrasporic	01
April	14		
2021		10. Pollination and Fertilization:	03
2021		10.1 Introduction and definition	05
		10.2 Types of pollination	
4.4		10.2 Types of politication 10.3 Germination of pollen grain	
		10.4 Entry of pollen tube- porogamy, mesogamy and chalazogamy	
)	-	10.5 Double fertilization and its significance.	
		11 7-1	
		11. Endosperm and embryo	
	1.0	11.1 Endosperm: Types – nuclear, helobial and cellular.	03
		11.2 Structure of Dicotyledonous and Monocotyledonous embryo.	
			. 07
_		Home work	
		Revision	07
May	13		
2021		Question Bank	06
		University Examination	02
June	12		
2021			02
			01
July	15		
2021			1

Signature of teacher

Signature of HOD

Y & M, AKI's POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,CAMP. PUNE-411001

LECTURE/ TEACHING PLAN PLAN SECOND TERM/SEMESTER II

Academic year 2020-2021

Name of the Teacher

: Dr. Sayyed Iliyas

Department

: Botany

Class: S. Y. B.Sc

Subject/ Paper

:BO 242: Plant Biotechnology

Month & Year	Teaching Days Available	Topic / Subject to be taught	Lectures Required
February 2021	11	Introduction to Plant Biotechnology 1.1 History and definition 1.2 Scope and importance of plant	3
		biotechnology 1.3 Current status of biotechnology in India.	
		Plant Tissue Culture 2.1 Concept of plant tissue culture and cellular totipotency 2.2 Basic techniques: Types of culture, Media preparation, sterilization, inoculation, incubation, hardening 2.3 Applications with reference to: Micropropagation, Somaclonal variation, Haploid production, Protoplast fusion & Somatic hybrids, Embryo rescue, Production of secondary metabolites. 2.4 Commercial Plant Tissue culture laboratories in Maharashtra and India.	8
March 2021	11	Single Cell Protein (SCP) 3.1 Concept and definition 3.2 Importance of proteins in diet 3.3 Production of SCP from Spirulina and Yeast 3.4 Importance & acceptability of SCP Credit II: Plant Genetic Engineering	4

		4.1 Introduction, concept 4.2 Tools of genetic engineering (restriction enzymes, ligases, plasmid vectors) 4.3 Gene cloning Technique 4.4 Applications of plant genetic engineering: insect pest resistance, abiotic stress tolerance, herbicide resistance Genomics, Proteomics and Bioinformatics 5.1 Genomics- concept, types, methods used for whole genome sequencing	2
April 2021	12	5.2 Proteomics-concept, types, methods used in proteome analysis 5.3 Bioinformatics-concept, database and its classification, data retrieval	3
		Bioremediation 6.1 Introduction and concept 6.2 Microbial remediation 6.3 Phytoremediation	2
		Biofuel technology 7.1 Definition, Concept and types of Renewable and nonrenewable energy sources 7.2 Definition and concept of Biogas, Bioethanol, Biobutanol, Biodiesel & Biohydrogen Revision	3
May 2021	4	Question Bank	4

Signature of teacher

Signature of HOD

AKI'S

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,

Camp, Pune - 411001

LECTURE/ TEACHING PLAN

SECOND TERM/SEMESTER

Academic year 2020 - 2021

Name of the Teacher

: Dr. Rafik Usman Shaikh

Department

: Botany

Class: T.Y.B.Sc.

Subject/ Paper

: Plant Physiology and Biochemistry (Paper-I)

Month & Year	Teaching Days Available	Topic / Subject to be taught	Lectures Required
February 2021	16	Introduction to Syllabus Photosynthesis: Structure of a chloroplast, photosynthetic pigments and their role, Photosystems, Light reaction Electron transport chain, Cyclic and Noncyclic photophosphorylation, Path of carbon in photosynthesis - Calvin cycle, HSK pathway: Salient features of C4 plants, metabolic pathway, CAM pathway, Photo-respiration, Significance of photosynthesis. Respiration: Structure of a mitochondrion, Respiratory	. 10
		substrates, Types of respiration, Mechanism of aerobic respiration – Glycolysis, TCA cycle. Electron transport system, Chemi-osmotic hypothesis of ATP synthesis, Balance sheet of ATP generation in respiration.	06
March 2021	17	Significance of respiration.	- 01
2021		Translocation of organic solutes: Definition, Path of translocation, Evidences for phloem transport, Mechanism of translocation – Pressure flow theory, Diffusion, Source to sink relationship, Phloem loading and unloading.	05
		Stress Physiology: Concept of abiotic, biotic and xenobiotic stresses. Types of stresses – Salinity, drought. Effect of stresses on the plant growth.	04
		Carbohydrates: Definition and classification Properties and functions of carbohydrates. Synthesis and breakdown of starch.	04
		Amino acids and proteins: Definition, synthesis and properties of amino acids. Role of amino acids.	03

April 2021	18	Classification of proteins on the basis of structure, properties and functions of proteins.	02
		Lipids: Definition, classification, properties and functions of lipids. Synthesis of lipids, β-oxidation.	04
		Enzymology: Definition and nature of enzymes, active site, Classification (IUB) and properties of enzymes, Co-enzymes. Mechanism of enzyme action-	06
	210-	Lock and key hypothesis, Induced fit theory. Factors affecting enzyme activity – pH, temperature, substrate concentration, enzyme concentration. Enzyme inhibitors – Competitive, uncompetitive, non-competitive.	
		Secondary Metabolites: Definition, Types, Metabolic pool and biosynthesis of secondary metabolites through – malonic, mevalonic and shikkimic acid pathways. Role of secondary metabolites.	05
May 2021	17	Homework , Revision, Question Bank	17
June 2021	17	University Examination	04
July 2021	18		

Signature of teacher

Signature of HOD

Y & M, AKI'S

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,

Camp, Pune - 411001 LECTURE / TEACHING PLAN TER M-II / SEMESTER - 1/1 Academic year 2020 - 2021

Name of the Teacher

: Aafreen A. Ahmed

Department

: Botany

Class: T. Y. B. Sc.

Subject/ Paper

: Plant Ecology and Biodiversity (Paper-II)

Month & Year	Teaching Days Available	Topic / Subject to be taught	Lectures Required
February 2021	15	1. Ecology Introduction, Interrelationship between the living world and the environment, components and dynamism of Ecosystem, homeostasis. Impact of human activities on environment – Causes, Prevention and control of – Air, water and Soil Pollution Brief account of environmental toxicology – Eutrophication, bioaccumulation and biomagnification	08
		2. Environmental Crisis Desertification, Ozone depletion and Global warming	03
		3. Environmental Impact Assessment Process, objectives of EIA, Hierarchy in EIA, Historical Review of EIA, Concepts related to EIA, Basic data collection for EIA	04
March 2021	20	4. Environmental Audit Meaning, need, Audit Protocol, Processing, Certification, personnel environmental Audit.	05
		5. Ecology and Economics Man and Biosphere concept. Relation between ecology and economics	05
		6. Remote Sensing Definition, basic principles, Process of data acquisition and interpretation, Global positioning System Application of Remote Sensing in ecology.	05

		Introduction to Biodiversity	05
		Introduction to Biodiversity Introduction, Concept, Aims and objectives, Scope and values of Biodiversity.	
April 2021	16	Characterization of Biodiversity: Introduction, need for characterization, various disciplines of Biodiversity- Genetics, Species and Ecosystem. Concept of endemism and phytogeography.	06
		Biodiversity Loss: Loss of Species and Genetic Diversity: Introduction, Factors causing loss of species and genetic diversity, Founder Effects, Genetic Drift, Inbreeding Depression, IUCN Categories (RET plants)	. 10
May 2021	18	Inventorying and Monitoring of Biodiversity: Introduction, Necessity, planning and approaches to inventorying and monitoring, capacity building	04
		Conservation of Biodiversity: Current Practices in Conservation, In-situ Conservation: International efforts and Indian initiatives; protected areas in India, Concept of Biosphere Reserves and National Parks. Ex-situ Conservation: Germplasm Collections, Botanical Gardens, Seed Banks, Gene Banks, Pollen Banks, DNA Banks, Wetlands, mangroves and coral reefs.	
		Enlist national agencies playing role in conservation (BSI, NBPGR, ICAR, CSIR, DBT), Social Approach to Biodiversity Conservation: Sacred Groves, Sthalavrikshas, Chipko Movement, Role of Universities and other Educational Institutions in Biodiversity Conservation	04
June 2021	18	Revision Seminars Home Assignments Question Bank	09 03 02 04
July 2021	16	University Examinations	

Signature of teacher

Signature of HOD

Y &M AKI'S

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,

Camp, Pune - 411001

SECOND TERM / SEMESTER

Academic year 2020 - 2021

Name of the Teacher

: Dr. Shafikh Shaikh

Department

: Botany

Subject/ Paper

: Plant Pathology (Paper-III)

Month & Year	Teaching Days Available	Topic / Subject to be taught	Lectures Required
February 2021	16	1. Fundamentals of plant pathology: Introduction, Important terminology- Incidence, Host, Parasite, Pathogen, Inoculum, Penetration, Infection, Incubation, Disease, Disease development, Symptoms, Sign, Endophyte, Predisposition, Suscept, Resistance, Epidemic, Etiology. Economic importance of plant diseases, History of plant pathology, Introduction to Indian Agricultural Research Institute (IARI), International Crop Research Institute for Semi Arid Tropics (ICRISAT), Contribution of Anton DeBary and Prof. B.B. Mundkur.	
		 Disease Development: Concept of disease cycle, Inoculation, Pre-penetration, Penetration, Infection, Dissemination. Epidemics- Forms, Decline, Exponential model. Disease forecasting, Measurement of plant disease and yield loss. 	06
		3. Defence Mechanisms: Concept and Definition, Types- Preexisting- Structural and chemical, Induced- Structural and Biochemical	02

Class: T. Y. B. Sc.

March 2021	18	 Methods of Studying Plant Diseases: Macroscopic study, Microscopic study, Koch"s postulates. 	05
		Culture technique, Media Types and Preparation, Pure culture methods- streak plate, Pour plate, spread plate, Serial dilution.	03
		5. Fungal Plant Diseases: Introduction to fungi as plant pathogens. Study of Diseases- Club root of Crucifers, Downy mildew of Grapes, Head smut of Jowar Leaf spot of Turmeric, Tikka disease of Groundnut with reference to causal organism, symptoms and signs, disease cycle and control measures.	
		6. Bacterial Plant Diseases: Introduction to bacteria as plant pathogens, Study of Diseases- Citrus Canker, Black arm of Cotton with reference to causal organism, symptoms and signs, control measures.	05
April 2021	17	7. Mycoplasma Plant Diseases: Introduction to Mycoplasma as plant pathogens, Study of Diseases- Grassy shoot disease of sugarcane, Little leaf of brinjal with reference to symptoms and signs, control measures.	04
		8. Nematodal Plant Diseases Introduction to Nematodes as plant pathogens. Study of Diseases- Root knot disease of vegetables, Ear cockle of Wheat with reference to causal organism, symptoms and signs, control measures.	. 04
		9. Viral Plant Diseases: Introduction to Viruses as plant pathogens. Study of Diseases- Tobacco Mosaic Disease, Bunchy top of Banana with reference to causal organism, symptoms and signs, control measures.	05
		10. Non Parasitic Diseases: The impact and abiotic causes- Temperature, Soil moisture and relative humidity, Poor oxygen, Poor light, Air pollutants, mineral deficiencies. Herbicide injury, Study of Tip burn of Paddy, Mango necrosis, Black Heart of Potato, Khaira disease of rice.	04
May 2021	13	11. Principles of Plant Disease Control: General account, Quarantine, Eradication, cultural control practices, Biological control, Curative measures, Chemical control, Use of	05
		Effective Microorganism Solution (EMS), Microbial Pesticides, IPM 12. Molecular Diagnostics and Transgenic in Crop Protection: Introduction, Classical approaches, Use of antibodies, Pathogen derived resistance against bacterial and fungal diseases, Expression of vaccines in plants	08

June 2021	18	Revision Home Assignments, Seminars Question Bank	06 06 06
July 2021	18	University exam	

Y & M AKI'S

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,

Camp, Pune - 411001

LECTURE/ TEACHING PLAN SECOND TERM/SEMESTER

Academic year 2020 - 2021

Name of the Teacher

: Ms. Nabila M. Shaikh

Department

: Botany

Class: T. Y. B. Sc.

Subject/ Paper

: Medicinal and Economic Botany (Paper-IV)

Month & Year	Teaching Days Available	Topic / Subject to be taught	Lectures Required
February 2021	16	Introduction to Syllabus 1. Introduction to Pharmacognosy 1.1. Origin, history, definition and scope of Pharmacognosy, 1.2. Methods of classification and their significance in the study of drugs of natural origin (alphabetical, biological, chemical, taxonomical, chemotaxonomical and pharmacological)	02
		 Ayurvedic Pharmacy Introduction Tridosha concept, Humoral, Indigenous Systems of medicine (Ayurveda, Siddha, Unani, Tibi, Chinese etc.) Ayurvedic principles- Ras. Guna, Vipaka, Virya, Prabhava, Ayurvedic formulations – Asava, Arishta, Kvatha, Churna, Ksharas, Leha, Vatika, Taila, Bhasma, 	08
March 2021	17	3. Analytical Medicinal botany 3.1 Drug adulteration 3.2Methods of extraction (percolation, maceration, soxhlet extraction etc.) of different classes of phytochemicals from crude drugs. 3.3 Methods of drug evaluation- Morphological, Microscopic, Chemical and Physical methods.	07
		 4. Cultivation, collection and processing of herbal drugs from Mentha and Eucalyptus. 4.1 Cultivation- Methods, Factors affecting cultivation 4.2 Collection and Processing- Collection, harvesting, drying, garbling, packing, storage of crude drugs. 5. Study of medicinally important drugs Study of drugs w.r.t. occurrence, distribution cultivation, microscopic characters, constituents and uses of the following. Root Rhizome drugs: - Glycyrrhiza, Stem drugs: - Ephedra, 	10

		Leaf drugs: - Adhatoda Flower drugs: - Clove, Fruit drugs: - Amla, Unorganized drugs: - Shilajit and Acacia gum, Contraceptive drugs: - Dioscorea.	
April 2021	16	6. Applied Medicinal Botany 6.1 Study of drugs with respect to Biological source, Geographical distribution, common varieties, macro and microscopic characters, chemical constituents and therapeutic uses, adulterants of the following plants/drugs Strychnosmux vomica-Seeds, Tinospora cordifolia-Stem	06
		6.2 Concept of active principle, and major metabolic Pathway (Carbohydrates and Proteins) leading to the Production of therapeutically active Chemical Constituents	. 04
		6.3 Concept, definition and introduction to Biopharmaceutics, Pharmacodynamics and clinical Pharmacokinetics with applications	06
May 2021	17	7. Ethnobotany: Definition, principles, scope and ethnic societies in India.	03
		1. Introduction to economic botany and its scope 2. Important Botanical resources- meaning and Mention of only botanical resources any five for non-wood forest products (NWFPs) such as 2.1Paper making and 2.2 Gums	08
		3. Origin, evolution, source & uses of Rice, Curcuma longa, Safflower, Sugarcane, Butea monosperma / Samanea saman / Scleichera oleosa and Rose.	. 06
T	17	Question paper solving	04
June 2021		Home work	02
		Revision Overtion Bonk	04 05
July 2021	19	Question Bank University Examinations	

Y & M, AKI's POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, CAMP.

PUNE-411001 LECTURE/ TEACHING PLAN SECOND TERM/SEMESTER IV

Academic Year 2020-2021

Name of the Teacher

: Dr. Sayyed Iliyas

Department

: Botany

Class: T. Y. B.Sc

Subject/ Paper

:Biotechnology (P- V)

Month & Year	Teaching Days Available	Topic / Subject to be taught	Lectures Required
February 2021	18	Introduction to Biotechnology Introduction and History of plant Biotechnology Pioneering work and significant achievements in Indian plant BiotechnologyGlobal Impact and Current excitements of plant Biotechnology - Plant Health care and plant protection. Plant Tissue Culture Brief History, Importance of plant tissue cultureTypes of culture, basic technique of plant tissue culture, Concept, techniqueand applications of callus culture, cell suspension culture, protoplast culture,somatic hybridization and cybrids, Haploid production, Micropropagation,	13
March 2021	18	embryo culture-and embryo rescue	02
		Germplasm and Cryopreservation In situ and Ex situ conservation, techniques of cryopreservation, cold storagelow pressure and low oxygen storage, applications Transgenic Plants as Bioreactors Metabolic engineering of starch, cyclodextrins, fructans, ioplastics, Genetically engineered plants as protein factories, Production of therapeuticproteins from plants. 5. Biotechnology of Biological Nitrogen Fixation	06
		Non symbiotic Nitrogen Fixation-	06

		Diazotrophs and their ecology, specialfeatures, Mechanism of N2 Fixation Nitrogenase and Hydrogenase Symbiotic N2 Fixation- establishment of symbiosis, Factors affecting and mechanism of symbiotic N2 Fixation Genetics of Diazotrophs- Nod genes, Nif geneBiofertilizers- algal, fungal, phosphate solubilising and organic fertilizers	
April 2021	16	Biotechnology and Society Biotechnology- Benefits, GM foods and its safety, patenting of biotechnological inventions, Biotechnology and developing countries, Recombinant foods and religious beliefs, recombinant therapeutic product for human health care, Intellectual property rights Bioinformatics Introduction, Database and its	04
		classification, NCBI, Data retrieval tools, INTREZ, OMIN, BLAST, FASTA, Applications of Bioinformatics Genomics and Proteomics Genomics- methods, types and applications, Proteomics- Concept, types and Importance	04
May 2021	12	Revision	12
June 2021	4	Question Bank	4

Y & M, AKI'S POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, CAMP, PUNE-411001 LECTURE / TEACHING PLAN

LECTURE / TEACHING PLAN SECOND TERM/FOURTHSEMESTER

Academic year 2020-2021

Name of the Teacher: Dr. Aafreen Abrar Ahmed

Department : Botany

Class: T. Y. B. Sc

Subject/ Paper

: Plant Breeding & Seed Technology (P-VI)

Month & Year	Teaching Days Available	Topic / Subject to be taught	Lectures Required
February 2021	16	PLANT BREEDING: 1. Introduction, scope and importance.	02
		 Conventional techniques, methods and practices of breeding: (a) Plant introduction and acclimatization: Concept, objectives ii. Types of plant introduction iii. Advantage, limitations/ Disadvantages and achievements. Selection methods: i. Concept, ii. Types of selections –mass selection, pure line selection and clonal selection. iii. Advantage and disadvantages/limitations, achievements. Hybridization: i. Definition and Concept, ii. Difficulties in crop hybridization and precaution to be taken during hybridization. iii. General procedure of hybridization. iv. Parent selection in a breeding program. v. Criteria for selecting parents 	10
		Breeding Methodology: i. Pedigree method ii. Bulk method, iii. Single-seed descent method iv. Backcross method, Achievements (d) Heterosis and hybrid vigour: i. Concept, ii. Causes of heterosis- dominance hypothesis, iii. Applications	04

March 2021	17	3. Alternative breeding techniques (a) Mutation breeding: Introduction and concept, Types of Mutation induced mutagenesis mutagens used -Chemical and physical mutagens, methods of working of Gamma gardens, concept and design, Applications	05
		(b) Importance of Polyploidy and aneuploidy in crop improvement: Properties of polyploids, Methods of obtaining polyploids, Methods used in obtaining haploids, Production of triploids in plant breeding, Applications and achievements	05
		4. Breeding for stress tolerance: Mechanisms and genetic bases of resistance/tolerance to biotic and abiotic stresses in plants, Breeding for resistance/tolerance. Molecular Approaches Characteristics evaluated for drought tolerance Characteristics evaluated for insect/pest tolerance Achievements	07
April 2021	18	SEED TECHNOLOGY: 1. Introduction: Definition of seed, Stages of Seed Production, Classes of Seed (nucleus seed, breeders seed, foundation seed, certified seed and truthful seed), Role of seed technology.	05
		2. Seed certification: General procedure of seed certification, field inspection, observation during inspection, field count, Duties of seed inspector.	04
		3. Seed processing: Concept, Principle and techniques of processing of seeds	. 04
		4. Seed sampling, storage and packaging: Seed sampling, Types of seed samples, Sampling equipments. Factor affecting seed storage and need of seed storage, Methods of protection and control, Air conditioning and dehumidification,	05
May 2021	17	Sanitation and fumigation of seed stores. Seed sorting and bagging, bag weighing, bag closing, type of bag closer, Labelling and maintaining lot identify, lot numbers, seed pellets, Handling and stacking, Maintenance of seed processing record.	06

		5. Physical purity analysis: Definition of purity components Procedure ODV test Reporting and results.	03
		 6. Seed Testing: A. Moisture Testing: By air oven method, Moisture meters. B. Germination testing: Definition and objectives, General principles and requirements, Procedure and methods (Paper, Sand and Soil) Seedling evaluation. 7. Seed Marketing: Marketing- Basic concepts, supply & demand, price equilibrium, seed transportation, storage, cost & returns, cost processing, packing and marketing, Organization for seed marketing, seed markets in India, structure & working. 	. 08
June 2021	17	Revision Seminar Home assignments Question Bank	06 03 04 04
July 2021	19	University Examinations	<u>=</u>

AKI'S POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, CAMP. PUNE-411001

LECTURE/ TEACHING PLAN FIRST TERM/SEMESTER I

Academic year 2021-2022

Name of the Teacher

: Dr. Sayyed Iliyas

Department

: Botany

Class: F. Y. B.Sc

Subject/ Paper

:BO-111: Plant Life and Utilization I

Teaching Days Available	Topic / Subject to be taught	Lectures Required
4	Credit-I Introduction General outline of plant kingdom (Lower Cryptogams: Thallophytes-Algae, Fungi & Lichens; Higher Cryptogams: Bryophytes andPteridophytes; Phanerogams: Gymnosperms and Angiosperms-Dicotyledons and Monocotyledons). Distinguishing characters of thesegroups and mention few common examples from each. Algae 2.1: Introduction	1
11	Algae 2.1: Introduction 2.2: General Characters 2.3: Classification (Bold and Wynne 1978) up to classes with reasons 2.4: Life Cycle of Spirogyra w.r.t. Habit, Habitat, Structure of thallus, structure of typical cell, Reproduction-Vegetative, Asexual and Sexual, systematic position with reasons 2.5: Utilization of Algae in Biofuel Industry, Agriculture, Pharmaceuticals, Food and Fodder Lichens 3.1: Introduction 3.2: General Characters	3
	Days Available 4	Available 4 Credit-I Introduction General outline of plant kingdom (Lower Cryptogams: Thallophytes-Algae, Fungi & Lichens; Higher Cryptogams: Bryophytes and Pteridophytes; Phanerogams: Gymnosperms and Angiosperms-Dicotyledons and Monocotyledons). Distinguishing characters of thesegroups and mention few common examples from each. Algae 2.1: Introduction 11 Algae 2.1: Introduction 2.2: General Characters 2.3: Classification (Bold and Wynne 1978) up to classes with reasons 2.4: Life Cycle of Spirogyra w.r.t. Habit, Habitat, Structure of thallus, structureof typical cell, Reproduction- Vegetative, Asexual and Sexual, systematicposition with reasons 2.5: Utilization of Algae in Biofuel Industry, Agriculture, Pharmaceuticals, Food and Fodder Lichens 3.1: Introduction

January 2021	12	Credit-II Fungi 4.1: Introduction 4.2: General Characters 4.3: Classification (Ainsworth, 1973) 4.4: Life Cycle of Mushroom- Agaricusbisporusw.r.t. Habit, Habitat, Structure of thallus, Structure of Sporocarp, Structure of Gill, Reproduction- Asexualand sexual, Systematic position. 4.5: Utilization of Fungi in Industry, Agriculture, Food and Pharmaceuticals.	9
		Bryophytes 5.1: Introduction 5.2: General Characters 5.3: Classification (G.M. Smith 1955) 5.4: Life Cycle of Riccia w.r.t. Habit, habitat, external and internal structure ofthallus, Reproduction- vegetative, asexual and sexual- Structure of sexorgans, fertilization, structure of mature sporophyte, structure of spore, systematic position with reasons.	3
February 2021	10	5.5: Utilization: Bryophytes as ecological indicators, agriculture, fuel, industryand medicine. (Development of sex organs not expected for all the above mentioned life cycles). Revision and Question paper solving	7
March 2021	1	Examination	1

Signature of I/C Head

Y & M, AKI'S

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,

Camp, Pune - 411001

LECTURE / TEACHING PLAN

FIRST SEMESTER (CBCS)

Academic year 2021 - 2022

Name of the Teacher

: Dr. Rafik U. Shaikh

Department

: Botany

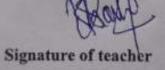
Class: F. Y. B. Sc.

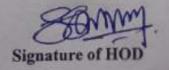
Subject/ Paper

: Plant Morphology and Anatomy (Paper- II)

	Month & Year	Teaching Days Available	Topic / Subject to be taught	Lectures Required
S	September 2021	12	1. MORPHOLOGY: 1.1: Introduction, definition, descriptive and interpretative morphology. 1.2: Importance in identification, nomenclature, classification, phylogeny and Plant breeding.	03
			2. MORPHOLOGY OF REPRODUCTIVE PARTS: 2.1: INFLORESCENCE: 2.1.1 Introduction and definition 2.1.2 Types: a) Racemose -Raceme, Spike, Spadix, Corymb, Umbel, Catkin and Capitulum. b) Cymose -Solitary, Monochasial- Helicoid and scorpiod; Dichasial and Polychasial. c) Special types -Verticillaster, Cyathium and Hypanthodium.	06
			2.1.3 Significance 2.2: FLOWER: 2.2.1 Introduction and definition 2.2.2 Parts of a typical flower: Bract, Pedicel, Thalamusforms, Perianth- Calyx and Corolla, Androccium and Gynoecium.	03
	October 2021	14	2.2.3 Symmetry: Actinomorphic and zygomorphic, Sexuality- Unisexual ands bisexual, Insertion of floral whorls on thalamus- Hypogyny, Epigyny and perigyny, Merous condition-Trimerous, tetramerous and pentamerous. 2.2.4 Floral whorls: a) Calyx: Nature- Polysepalous, Gamosepalous; Aestivation- types, Modifications of Calyx- Pappus, Petaloid and Spurred. b) Corolla: Forms of Corollai) Polypetalous- Cruciform and Papilionaceous. ii)	09

		Gamopetalous- Infundibuliform, Bilabiate, Tubular and Campanulate. iii) Aestivation- types and significance. c) Perianth: Nature- Polytepalous, Gamotepalous. d) Androccium: Structure of typical stamen, Variations-cohesion and adhesion. e) Gynoecium: Structure of typical carpel, number, position, cohesion and adhesion; placentation- types and significance.	
		2.3: FRUITS: 2.3.1 Introduction and definition 2.3.2 Types of fruits: a) Simple: Indehiscent - Achene, Cypsela, Nut and Caryopsis. Dehiscent - Legume, Follicle and Capsule, b) Fleshy: Drupe, Berry, Hesperidium and Pepo. c) Aggregate: Etaerio of Berries and Etaerio of Follicles. d) Multiple fruits: Syconus and Sorosis	05
November 2021	12	3. ANATOMY: 3.1 Introduction and definition 3.2 Importance in Taxonomy, Physiology, Ecological interpretations, Pharmacongnosy and Wood identification.	05
		4. TYPES OF TISSUES: Outline with brief description, simple and complex tissues. 4.1: Meristmatic tissues: Meristem, characters and types based on origin, position and plane of division, functions. 4.2: Permanent tissues: Simple tissues - parenchyma, collenchymas, chlorenchyma and sclerenchyma. 4.3: Complex/Vascular tissues: Components of xylem and phloem, types of vascular bundles and functions. 4.4: Epidermal tissues: Epidermis, structure of typical stomata, trichomes, motor cells; functions.	07
December 2021	14	5. INTERNAL ORGANIZATION OF PRIMARY PLANT BODY: 5.1: Internal structure of dicotyledon and monocotyledon root. 5.2: Internal structure of dicotyledon and monocotyledon stem. 5.3: Internal structure of dicotyledon and monocotyledon leaf.	07
		Home work Revision	04 03
January 2022	13	University Examination	WE HE





Y & M AKI'S

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,

Camp, Pune - 411001

LECTURE/ TEACHING PLAN

FIRST TERM/SEMESTER

Academic year 2021 - 2022

Name of the Teacher

: Dr. Aafreen .A Ahmed

Department

: Botany

Class: S.Y.B.Sc.

Subject/ Paper

: Taxonomy of Angiosperms and Plant Ecology (P-I)

Month & Year	Teaching Days Available	Topic / Subject to be taught	Lectures Required
September 2021	12	Introduction to Angiosperms Taxonomy Definition, scope, objectives and importance of taxonomy Exploration, Description, Identification, Nomenclature and classification Concept of Systematics with brief historical background	02
		Systems of classification Comparative account of various systems of classification Artificial system- Carl Linnaeus Natural system- Bentham and Hooker Phylogenetic system- Engler and Prantl APG system- A brief review	05
		3. Study of Plant Families Study of following families with reference to systematic position (As per Bentham and Hooker's system of classification), salient features, floral formula, floral diagram and any five examples with their economic importance – Annonaceae, Brassicaceae, Myrtaceae, Rubiaceae, Solanaceae,	05
7 - 3 - 1		Apocynaceae, Nyctaginaceae and Amaryllidaceae	03
October 2021	12	4. Botanical Nomenclature Concept of nomenclature, brief history, Binomial nomenclature International Code for Nomenclature of Algae, Fungi and Plants (ICN)- Principles, Rules and Recommendations; 'Type' specimen and its types (Holotype, Paratype, Isotype, Lectotype, Neotype). Concept of Typification. Ranks and endings of taxa names, Coining of Genus and Species names Single, double and multiple authority citations	06
		5. Introduction to ecology Definition, concept, scope, and interdisciplinary approach, autecology and synecology. Species diversity: definition, concept, scope, and types: Alpha, Beta and Gamma diversity. Methods of vegetation sampling: quadrat method, transect method, plot less method Genetic Diversity: definition, nature and origin of genetic variations Species	03

November 2021	12	Diversity: definition, origin of species diversity, diversity indices, species abundance Ecosystem Diversity: definition, major ecosystem types of the world, Hotspots in India – concept and basis of 'hotspot' identification.	03
		6. Ecological grouping of the plants Ecological grouping of the plants with reference to their significance of adaptive external and internal features: a) Hydrophytes, b) Mesophytes c) Xerophytes d) Halophytes with examples	04
		Revision	05
December 2021	13	Question Bank Home work	07 06
January 2022	14	University examination	

Y & M AKI'S

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,

Camp, Pune - 411001

LECTURE/ TEACHING PLAN

FIRST TERM/SEMESTER

Academic year 2021 - 2022

Name of the Teacher

: Dr. Shafikh Shaikh

Department

: Botany

Class: S.Y.B.Sc.

Subject/ Paper

: Plant Physiology (P-II)

Teaching Days Available	Topic / Subject to be taught	Lectures Required
	Introduction to Plant Physiology	01
12	Scope and applications of plant physiology	
13	2. Absorption of water	03
	2.1 Role of water in plants	
	2.2 Mechanisms of water absorption with respect to crop plants	
	2.3 Factors affecting rate of water absorption	03
	3. Ascent of sap	
	3.1 Introduction and definition.	
	3.2 Transpiration pull or cohesion-tension theory, evidences and objections	05
	3.3 Factors affecting ascent of sap	
	4. Transpiration	
	4.1 Definition	
	4.2 Types of transpiration - cuticular, lenticular and stomatal	
	4.3 Structure of stomata	34 35
	4.4 Mechanism of opening and closing of stomata -Steward's	St. on
	74/4/2000	183310
		The second
		02
13	4.8 Guttation	
11 30 50	4.9 Exudation	
		07
181481		
9000		THE REAL
1000		1000 -37
39/-1/3		04
103 2		10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -
11111111		Land Million
	Days Available	1. Introduction to Plant Physiology Scope and applications of plant physiology 2. Absorption of water 2.1 Role of water in plants 2.2 Mechanisms of water absorption with respect to crop plants 2.3 Factors affecting rate of water absorption 3. Ascent of sap 3.1 Introduction and definition. 3.2 Transpiration pull or cohesion-tension theory, evidences and objections 3.3 Factors affecting ascent of sap 4. Transpiration 4.1 Definition 4.2 Types of transpiration – cuticular, lenticular and stomatal 4.3 Structure of stomata 4.4 Mechanism of opening and closing of stomata – Steward's hypothesis, active K+ transport mechanism 4.5 Factors affecting the rate of transpiration 4.6 Significance of transpiration 4.7 Antitranspirants

November 2021	12	5.4 Denitrification, ammonification and nitrification 5.5 Reductive amination and transamination 6. Seed dormancy and germination 6.1 Definition, types of seed dormancy and germination 6.2 Methods to break seed dormancy 6.3 Metabolic changes during seed germination 6.4 Role of phytohormones to improve seed germination 6.5 Vigor Index 7. Physiology of flowering 7.1 Photoperiodism – Concept, definition, short day plants, long day plants and day neutral plants.	04
		7.2 Phytochrome theory, role of phytohormones in induction and inhibition of flowering 7.3 Applications of photoperiodism 7.4 Vernalization—concept and definition, mechanism of vernalisation, applications of vernalisation and devernalization Revision Question Bank	04 04
December 2021	14	Home work Seminars	05
January 2022	13	University examination	

Y & M, AKI'S

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,

Camp, Pune - 411001

LECTURE / TEACHING PLAN

FIRST TERM / SEMESTER

Academic year 2021 - 2022

Name of the Teacher

: Ms. Nabila M. Shaikh

Department

: Botany

Class: T. Y. B. Sc.

Subject/ Paper

: Cryptogamic Botany (Algae and Fungi) (Paper- I)

	Month & Year	Teaching Days Available	Topic / Subject to be taught	Lectures Required
	September	13	Introduction: Cryptogams- meaning. Types- Lower Cryptogams, brief Review with examples	01
2	2021		Algae: General characters, distribution, Thallus organization, habit and Habitat reproduction and Classification (G.M.Smith 1955) up to classes.	04
			Study of life cycle of algae with reference to taxonomic position, Occurrence, Thallus structure, and reproduction of Nostoc, Oedogonium Chara, Sargassum and Batrachospermum.	08
	October 021	11	Economic importance of algae- Role in industry, agriculture, fodder and medicine.	02
			Fungi: General characters, Habit and habitats, thallus organization, cell wall composition, nutrition and Classification. (Alexopoulos and Mims 1979) up to classes.	03
			Study of life cycle of fungi with reference to taxonomic position, thallus structure, and reproduction of Mucor (Zygomycotina), Saccharomyces (Ascomycotina), Puccinia (Basidiomycotina), Penecillium and Cercospore	06
N	ovember	12	(Deuteromycotina) [Two members of Deutero.]	02
2021	SECTION AND ADDRESS OF THE PARTY OF THE PART	12	Symbiotic Associations - Lichens, Mycorrhiza and their significance	04
		A Harl	Revision	06

December	11	Home work	05
2021		Seminars	06
January 2022	13	University Examination	

AKI'S POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,

CAMP. PUNE-411001 LECTURE/ TEACHING PLAN FIRST TERM/SEMESTER V

Academic year 2021-2022

Name of the Teacher

: Dr. Sayyed Iliyas

Department

: Botany

Class: T. Y. B.Sc

Subject/ Paper

:BO 352Archegoniate

Month & Year	'ear Days Available		Lectures Required
November2 021	4	Credit-I Bryophytes Introduction to Archegoniate Introduction, general characters, distribution of Bryophytes to land habit, classification of Bryophytes according to G.M. Smith (1955) up to classeswith reasonsRange of thallus organisation, origin of Bryophytes - Pteridophytes	1 2
December 2021	11	Algal hypothesis, evolution of sporophyteStudy of Life Cycle of Bryophytes with respect to Taxonomic position, Morphology, Anatomy, Reproduction, Gametophytes and sporophytes ofMarchantia, Anthoceros and Funaria Ecological and economic importance of Bryophyte	1 9
January 2021	12	Credit-II Pteridophytes Introduction, Vascular Cryptogams, General characteristics, Classificationaccording to K.R. Sporne (1975) up to classes with reasons, Diversity and Distribution of Pteridophytes. Resemblances of Pteridophytes with Bryophytes, Differences between Pteridophytes and Bryophytes, Origin of Pteridophytes - Algal and Bryophytes, Evolution of Pteridophytes- Telome Theory and Enation Theory. Study of Life Cycle of Pteridophytes with respect to Taxonomic position,	3
February 10 M 2021 Ga Ec		Morphology, Anatomy, Reproduction, Sporophytes and Gametophytes of Psilotum, Selaginella and Equisetum Ecological and Economical Importance of Pteridophytes Revision and question paper solving	1 7
March 2021	1	Examination	1

Signature of teacher

Signature of I/C Head