

ACADEMIC CALENDAR: 2021- 2022

DEPARTMENT OF URDU, ARABIC AND PERSIAN

MONTH & YEAR	NAME OF THE EVENT TO BE UNDERTAKEN
September 2021	<ul style="list-style-type: none">➤ 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	<ul style="list-style-type: none">➤ Commencement of Admission Process-UG (Third Year B.A. & PG Programme)
November 2021	<ul style="list-style-type: none">➤ Induction Program for FYBA students.➤ Guest lecture for students
December 2021	<ul style="list-style-type: none">➤ Commencement of the Remedial teaching program for Students➤ National level Mohammad Ali Mitha Memorial Essay writing Competition.
January 2022	<ul style="list-style-type: none">➤ Commencement of Internal Examination UG & PG (Semester Examination)➤ Commencement of University Examination UG
FIRST TERM CONCLUDES	
February 2022	<ul style="list-style-type: none">➤ Commencement of University Examination - PG (Semester Examination)➤ Commencement of Second Term
March 2022	<ul style="list-style-type: none">➤ Inter-Collegiate Recitation of Holy Quran Competition on➤ All India Mohammad Ali Mitha Memorial Essay Writing Competition
April 2022	<ul style="list-style-type: none">➤ All Maharashtra Payam e Rahmat Trophy (Seeratunnabi) Elocution Competition➤ Inter-Collegiate Recitation of Holy Quran Competition on
May 2022	<ul style="list-style-type: none">➤ Commencement of Internal Examination of UG & PG (Semester Examination)

2

June 2022	<ul style="list-style-type: none">➤ Revision and previous years paper solving.➤ Commencement of University Examination UG & PG (Semester Examination)
July 2022	<ul style="list-style-type: none">➤ Central Assessment Programme for First Year Examination
ACADEMIC YEAR 2021 – 2022 CONCLUDES	



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	<ul style="list-style-type: none">▪ 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	<ul style="list-style-type: none">▪ Commencement of Admission Process - (UG Third Year & PG Programme)
November 2021	<ul style="list-style-type: none">▪ Commencement of Internal Examination UG
December 2021	<ul style="list-style-type: none">▪ International Migrants Day▪ Commencement of Internal Examination PG
January 2022	<ul style="list-style-type: none">▪ Commencement of University Examination UG▪ Commencement of University Examination PG
FIRST TERM CONCLUDES	
February 2022	<ul style="list-style-type: none">▪ Guest Lecture on Union budget 2022 - 2023 and Economic Recovery▪ Workshop on Entrepreneurship Development▪ Commencement of Second Term
June 2022	<ul style="list-style-type: none">▪ 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

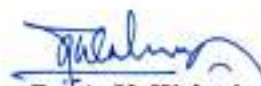
MONTH & YEAR	NAME OF THE EVENT TO BE UNDERTAKEN
June 2022	<ul style="list-style-type: none"> ▪ Commencement of Academic Year 2022 – 2023 & First Term ▪ Commencement of Admission Process-UG (First & Second Year) ▪ Staff Meeting & Distribution of Departmental Workload, Teaching Plan, Result Analysis
July 2022	<ul style="list-style-type: none"> ▪ Commencement of Admission Process - (UG Third Year & PG Programme) ▪ One Day National Seminar on Inflation in emerging economies : Issues and Measures
October 2022	<ul style="list-style-type: none"> ▪ Guest Lectures on current issues ▪ Poster Presentation ▪ Commencement of Internal Examination UG & PU
November 2022	<ul style="list-style-type: none"> ▪ Children's Day ▪ Guest Lecture on Banking and Finance ▪ Commencement of University Examination UG & PG
FIRST TERM CONCLUDES	
February 2023	<ul style="list-style-type: none"> ▪ One Day National Seminar
March 2023	<ul style="list-style-type: none"> ▪ Commencement of Internal Examination of UG & PG ▪ Guest Lecture on various important issues ▪ Commencement of University Examination UG & PG
April 2023	<ul style="list-style-type: none"> ▪ To celebrate Dr. B R Ambedkar Remembrance Day
ACADEMIC YEAR 2022 – 2023 CONCLUDES	

Department of Electronic Science - Academic Calendar: 2021-22

Month	Tentative Date/s	Activity
Oct 2021	1 st 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
Nov 2021	3 rd Week	❖ Deeksharambh - Induction Program for FY Students
	4 th Week	❖ Commencement of FY/SYBSc Online lectures
Jan 2022	3 rd Week	❖ Internal Assessment Tests FY/SYBSc
Feb 2022	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		
March 2022	1 st / 2 nd Week	❖ Commencement of Second Term/Semester
	3 rd Week	❖ B.O.S. Syllabus Implementation Workshop
	4 th Week	❖ TYBSc Practical Examination ❖ Commencement of M.Sc Lectures
April 2022	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
June 2022	1 st Week	❖ FY/SY/TYBSc/MSc Internal Examination
	3 rd Week	❖ Industrial Visit of TYBSc students
	4 th Week	❖ MSc Practical Examination
Aug 2022	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
❖ Academic Year 2021-22 concludes		

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

Y & M Anjuman Khairul Islam's
Poona College of Arts, Science & Commerce, Camp-01
DEPARTMENT OF ZOOLOGY
Academic Calendar (2021-22)

Sr. No.	Month	Activities
1	September 2021	<ul style="list-style-type: none"> • 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.Sc and S.Y.B.Sc classes will be started from last week.
2	October 2021	<ul style="list-style-type: none"> • 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.Sc.-II will start from second week. • Regular practicals of T.Y.B.Sc will be started from third week. • M.Sc.-I classes will be started from last week.
3	November 2021	<ul style="list-style-type: none"> • 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.
4	December 2021	<ul style="list-style-type: none"> • 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 in last week.
5	January 2022	<ul style="list-style-type: none"> • 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.
6	February 2022	VACATION

7	March 2022	<ul style="list-style-type: none"> • 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.
8	April 2022	<ul style="list-style-type: none"> • M.Sc I & 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 I & 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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.Sc.-I 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<p style="text-align: center;">VACATION</p> <ul style="list-style-type: none">• S.P.P.U Practical Examination of M.Sc I & II was scheduled in last week.

7	March 2022	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • One day educational visit to Fish Market for T.Y.B.Sc & M.Sc.-I & 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	<ul style="list-style-type: none"> • 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.
10	June 2022	<ul style="list-style-type: none"> • 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
June 2021	<ul style="list-style-type: none"> • Commencement of Academic year 2021-22 • Preparation of timetable and workload distribution. • Commencement of admission process for the First Year and Second Year B.Sc. • Commencement of S. Y. B. Sc. lectures in the last week. Bridge course for F.Y.B.Sc. Theory.
July 2021	<ul style="list-style-type: none"> • Commencement of F. Y. B. Sc. and T.Y.B.Sc. lectures • Regular practical of F.Y.B.Sc., S.Y.B.Sc. and T.Y.B.Sc. • Add-on certificate course • Bridge course for F.Y.B.Sc. Practicals.
August 2021	<ul style="list-style-type: none"> • Regular Theory and Practicals of all classes. • Remedial classes for T.Y.B.Sc. Theory. Remedial classes for T.Y.B.Sc. Practicals.
September 2021	<ul style="list-style-type: none"> • Teachers Day Celebration program by the B.Sc. • Internal examination for F.Y.B.Sc., S.Y.B.Sc. and T.Y.B.Sc. (Theory and Practicals).
October 2021	<ul style="list-style-type: none"> • University Examination S.Y.B.Sc. and T.Y.B.Sc. • Junior Supervision duties for University Theory Examination for all staff.
November 2021	<ul style="list-style-type: none"> • Winter Vacation • Commencement of teaching of 2nd term for all classes.
December 2021	<ul style="list-style-type: none"> • Regular Theory and Practicals of all classes. • Guidance talk
January 2022	<ul style="list-style-type: none"> • Geological Excursion tours for F.Y.B.Sc., S.Y.B.Sc. and T.Y.B.Sc.
February 2022	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Vacations



Head
Department of Geology

Department of Urdu, Arabic and Persian TABLE 'B'

Sr. No.	Subject	Class	No of Stu	No of Div	No of Papers			Details of Work Load				Name of the Teacher to whom work-load assigned	Total No of periods assigned to the teacher in Col.No.	Whether Full Time /Part Time/CHB	Whether Teacher belongs to Reserve Category if so give details	Remark
					Theory	Practical	Lect. Prescribed for papers	Total Periods of Lect.	No of Batches	Total work load of Pract. (Col. 7 * 8 * 10)	Total work-load (Col. 9+ 11)					
1																
2	URDU	MAH	12	1	4	4	15	1	15	1	15	8 CHB	N/A			
3	MAH	MAH	11	1	4	4	15	1	15	1	15	16 CHB	N/A			
4																
5																
6																
7																
8																
9	ARABIC	TYBA	51	1	1	4	4	1	4	1	4	16 FULL	N/A			
10	SYBA	SYBA	40	1	1	4	4	1	4	1	4	16 FULL	N/A			
11	TYBA	TYBA	54	1	1	4	4	1	4	1	4	16 FULL	N/A			
12																
13	PERSIAN	TYBA	8	1	1	4	4	1	4	1	4	16 FULL	N/A			
14	SYBA	SYBA	8	1	1	4	4	1	4	1	4	16 FULL	N/A			
15	FYBA	FYBA	13	1	1	4	4	1	4	1	4	16				
16	FYB.COM	FYB.COM	15	1	1	4	4	1	4	1	4	16				

Head of the Department

Khan MoINUDDIN

Head of the Department

Urdu, Arabic, Persian, And Post Graduate Centre
Poona 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

S.NO	Name of the Faculty	subject	Class	work load
1	Deepika Kininge	Princ. Of Marketing	Fy BBA	4
		Business Demography	Fy BBA	4
		Fundamentals of Rural Devp	SY BBA	4
		Marketing Sp I	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
2	Jahan Aara Pathan	Bus. Communication	Fy BBA	4
		Business Maths	Fy BBA	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
		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	4
5	Minahaz Shaikh	Princ. Of HRM	Fy BBA	4
		HRM I	SY BBA	4
		HRM II	SY BBA	4
		HRM III	TY BBA	4
		HRM IV	TY BBA	4
Total Work load		20		
6	Faheemuddin	Database Admin	TY BBA	4

AKPS


Poona College of Arts Science and Commerce

Department of BBA Term II Workload 2021-22

S.NO	Name of the Faculty	subject	Class	work load
1	Deepika Kininge	Business Org & Systems	Fy BBA	4
		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	4
		Business proj Mgt	TY BBA	4
		Marketing Sp I	TY BBA	4
		Marketing SP II	TY BBA	4
		Total Work load		32
		2	Heena Sayyed	Principles of Marketing
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
		Finance iv	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

Joint Director Higher Education Pune Region, Pune

Table B, Poona College of Arts, Science and Commerce, Workload Department of Economics 2021 - 2022

Sr.No.	Subject	No of Papers					Details of Work Load - Aided											Remark
		Class	No.of Stu.	No.of Div	Theory	Practical	No.of Lect.Prescribed for papers 8		Total Periods of Lect. (Col.No. 5 * 6 * 8)	No.of Batches	Total workload of Pract. (Col.7 * 8 * 10)	Total work-load (Col.9+11)	Name of the Teacher to whom work-load assigned	Total No.of periods assigned to the teacher in Col.No.13	Whether Full Time /Part Time/C HB	Whether Teacher belongs to Reserve Category		
1	2	3	4	5	6	7	Theory	Practical	9	10	11	12	13	14	15	16	17	
1	Indian Economic Environment G-1	FYBA	80	Div A	1	-	4	-		-	-	4	Dr. M. Shahid J Ansari			Full Time		
2	Indian Economic Environment G-1	FYBA	80	Div B	1	-	4	-	8	-	-	4	Dr.Gulnawaz Usmani			Full Time		
3	Financial System G-2	SYBA	92	1	1	-	4	-	4	-	-	4	Dr. Singaram Vidyasagar			Full Time		
4	Micro Economics S-1	SYBA	40	1	1	-	4	-	4	-	-	4	Ms. Ana Matten			Full Time		
5	Macro Economics S-2	SYBA	40	1	1	-	4	-	4	-	-	4	Ms. Rabia Khan			C.H.B.		
6	Indian Economic Development G-3	TYBA	83	1	1	-	4	-	4	-	-	4						
7	International Economics S-3	TYBA	50	1	1	-	4	-	4	-	-	4						
8	Public Finance S-4	TYBA	50	1	1	-	4	-	4	-	-	4						
9	Business Economics (Micro I)	FYBCOM	624	4	1	-	4	-	16	-	-	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						
13	Indian & Global Economic Development	TYBCOM	854	4	1	-	4	-	16	-	-	16						
14	International Economics	TYBCOM	50	1	1	-	4	-	4	-	-	4	 Head Postgraduate Dept. of Economics AIT's Poona College of Arts, Science & Commerce, Camp, Pune - 411 001.					
15	Banking & Finance	TYBCOM	228	1	1	2	4	-	8	-	-	8						
16	Industrial Economic	MCOM I	55	1	1	-	3	-	3	-	-	3						
17	Industrial Economic Environment	MCOM II	45			-	3	-	3	-	-	3						
												114	Total workload assigned		114			

Joint Director Higher Education Pune Region, Pune

Table B, Poona College of Arts, Science and Commerce, Workload Department of Economics 2021 - 2022

Sr.No.	Subject	No of Papers					Details of Work Load - Unaided											Remark
		Class	No.of Stu.	No.of Div	Theory	Practical	No.of Lect.Prescribed for papers 8		Total Periods of Lect. (Col.No. 5 * 6 * 8)	No.of Batches	Total workload of Pract. (Col.7 * 8 * 10)	Total workload (Col.9+11)	Name of the Teacher to whom work-load assigned	Total No.of periods assigned to the teacher in Col.No.13	Whether Full Time /Part Time/C HB	Whether Teacher belongs to Reserve Category if so give details		
							Theory	Practical									9	
1	Micro Economics Analysis	MA I	36	-	-	-	6	-	-	-	-	6	Dr. M. Shahid J Ansari			Full Time		
2	Public Economics	MA I	36	-	-	-	6	-	-	-	-	6	Dr.Gulnawaz Usmani			Full Time		
3	International Trade	MA I	36	-	-	-	6	-	-	-	-	6	Dr. Singaram Vidyasagar			Full Time		
4	Agricultural Economics	MA I	36	-	-	-	6	-	-	-	-	6	Ms. Ana Matten			Full Time		
5	Macro Economics Analysis	MA II	20	-	-	-	6	-	-	-	-	6	Ms. Rabia Khan			C.H.B.		
6	Growth and Development	MA II	20	-	-	-	6	-	-	-	-	6						
7	Research Methodology	MA II	20	-	-	-	6	-	-	-	-	6						
8	Demography	MA II	20	-	-	-	6	-	-	-	-	6						
9	Business Economics(Micro)	FYBBA	86	-	-	-	4	-	-	-	-	4						
10	Demography	FYBBA	86	-	-	-	4	-	-	-	-	4						
							56						Total workload assigned			56		

Head
 Postgraduate Dept. of Economics
 AKT's 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

<u>Sr No</u>	<u>Name of the faculty</u>	<u>Class</u>	<u>Subjects</u>	<u>Workload</u>
1	Dr. Aftab Anwar Shaikh	MCOM-II	Organizational Behaviour	6
2	Dr. Nasrin Khan	MCOM-II	RM	6
		MCOM-I	St. Mgt.	6
		MCOM-II	HRM	6
		MCOM-I	Production & opt.mgt	6
3	CA Vivek Brahmanekar	MCOM-I	Costing technique & responsibility A/C	6
		MCOM-II	Cost audit	6
4	Mahesh Atre	MCOM-I	Income tax	6
		T.Y.B.COM-A	Adv.A/C	4
5	Dr. Hamed Hashmi	MCOM-II	Adv. Auditing	6
		MCOM-II	Bus. Finance	6
		MCOM-II	Specialized auditing	6
		T.Y.B.COM-B	Costing-II	4
6	Mr. Rizwan Sayed	TYBCOM-C	Marketing-II	4
		FYBCOM-D	BEE	4
		MCOM-I	Financial Mgt	6
		MCOM-I	Mgt. Accounting	6
7	Mr. Sayyad Vakeel	T.Y.B.COM-A	Business regulatory framework	4
		T.Y.B.COM-B	Business regulatory framework	4
		TYBCOM-C	Business regulatory framework	4
		TYBCOM-D	Business regulatory framework	4
		MCOM-I	Adv. Accounting	6
8	Ms. Wafiya Wahid Wadasadawala	T.Y.B.COM-B	Costing - III	4
		T.Y.B.COM-B	Advanced accounting	4
		TYBCOM-D	Advanced accounting	4
		SYBCOM-B	Costing - I	4
		TYBCOM-C	Advanced accounting	4
		MCOM-I	Advanced cost accounting	6
9	Dr. Eram Khan	S.Y.B.COM-A	Business management	4
		SYBCOM-B	Business management	4
		SYBCOM-C	Business management	4
		S.Y.B.COM-D	Business management	4
		SYBCOM-C	Marketing-I	4
10	Dr. Akbar Ahmed Sayyed	S.Y.B.COM-A	Corporat accounting	4
		SYBCOM-B	Corporat accounting	4
		SYBCOM-C	Corporat accounting	4
		S.Y.B.COM-D	Corporat accounting	4
		TYBCOM-D	BA-III	4
11	Dr.Riyasat Aminuddin Peerzade	T.Y.B.COM-A	Auditing & taxation	4
		T.Y.B.COM-B	Auditing & taxation	4
		TYBCOM-C	Auditing & taxation	4
		TYBCOM-D	Auditing & taxation	4
		S.Y.B.COM-D	BA-I	4
		MCOM-II	Managemnet auditing	6

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

WORKLOAD 2021-2022

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

DEPARTMENT OF ELECTRONIC SCIENCE

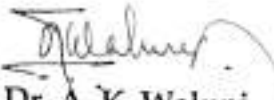
Workload distribution for the Year 2021 - 2022 (Second Term)




Course : BSc			Subject : B. Sc. Electronic for Computer Science						
S No	Class	No. of students	Theory			Practical			Total Lectures
			No. of Papers	No. of Lects./week	Total	No. of Batches	No. of Lects./batch	Total	
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
Grand Total									104

Course : BSc(Comp. Sci.)		Subject : B. Sc. Electronic for Computer Science								
S N o	Name of Teacher	No. of Lectures								Total
		FYBSc-A		FYBSc (CS)-B		SYBSc(CS)-A		SYBSc(CS)-B		
		T*	P*	T	P	T	P	T	P	
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
4	XYZ	-----	5X1=5	-----	5X2= 10	-----	5X2=10	-----	5X2=10	35
Grand Total										104

*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 

AKI's
POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,
Camp, Pune - 411001.

DEPARTMENT OF ELECTRONIC SCIENCE

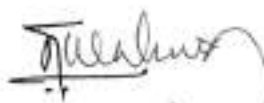
Academic Year 2021 - 2022 (First Term)

Workload distribution (Theory + Practical)

Course: BSc			Subject: B. Sc. Electronic Science (Regular)						
S No	Class	No. of students	Theory			Practical			Total Lectures
			No. of Papers	No. of Lects./week	Total	No. of Batches	No. of Lects./batch	Total	
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
Grand Total									72

Course: BSc		Subject: Electronic Science B. Sc. (Regular)						
S N	Name of Teacher	No. of Lectures						Total
		FYBSc		SYBSc		TYBSc		
		Theory	Practical	Theory	Practical	Theory	Practical	
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
4	C.H.B.-1	-	4	-	-	3	-	07
5	C. H.B-2	-	4	-	-	3	-	07
Grand Total								72

Date: 18th August, 2021


Dr. A. K. Walunj

Prof. (Dr.) Arunkumar K. Walunj
B.O. 2, (Faculty in Charge, Practical (ETP) Branch)
Poona College of Arts, Sci. & Com.
Camp, Pune-411001.


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

Sr. No.	Class	student strength	Subject-Electronics						Total Lectures
			Theory			Practical			
			No. of Papers	No. of Lects./week	Total	No. of Batches	No. of Lects./batch	Total	
1	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
Total workload									34

B) Workload Distribution:

Sr. No.	Name of Teacher	Subject-Electronics						Theory + Practical Total
		No. of Lectures						
		F.Y.BSc.(C.S.)- Division A		F.Y.BSc.(C.S.)-Division B		S.Y.BSc.(C.S.)- Division A+B		
		Theory	Practical	Theory	Practical	Theory	Practical	
1	Mrs. Swaleha Mulla	E-2	1/week	-	-	E2	1/week	14 hours per week
2	Mr. Mohammed Mushtaque	-	-	E2	1/week	E1	1/week	14 hours per week
3	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 I)

Sr. No	Subject	Code	Credit	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	Elective Theory Course-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	Credit	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 - *Shubham*

Total Workload = 40

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

Aftab Anwar Shaikh
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
Theory 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
Practical 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
Theory 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
Practical Courses				
5	Project/Internship	ELP244	8	Ms. Sayyed Saima
		Total	20	

Total M.Sc Workload = 40

Ms. Sayyed Saima: 20 - *Saima*

Mr. Shubham Pandey: 20 - *Shubham*

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

Aftab Anwar Shaikh
Dr. Aftab Anwar Shaikh
Principal

AKI's
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)

Course: BSc			Subject: B. Sc. Electronic Science (Regular Grant in Aid)						
S No	Class	No. of students	Theory			Practical			Total Lectures
			No. of Papers	No. of Lects./week	Total	No. of Batches	No. of Lects./batch	Total	
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 Total									60

Course: BSc		Subject: Electronic Science B. Sc. (Regular)						
Sr No	Name of Teacher	No. of Lectures						Total
		F.Y.B.Sc.		S.Y.B.Sc.		T.Y.B.Sc.		
		Theory	Practical	Theory	Practical	Theory	Practical	
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
6.	Ms. Saima Sayyed	00	00	00	00	03	00	03
Grand 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.

AKP's
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

AKP's
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.D

AKI'S
POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,
Camp, Pune – 411001.

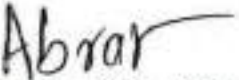
Department of Urdu, Arabic & Persian

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


Counter Signature of H.O.D.

AKI'S
POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,
Camp, Pune – 411001.

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

Abrar
Signature of the Teacher

M.M.
Counter Signature of H.O.D.

AKI'S
POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,
Camp, Pune - 411001.

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:

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



Signature of the Teacher



Counter Signature of H.O.D.

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


Counter Signature of H.O.D.

AKI'S
POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,
Camp, Pune – 411001.

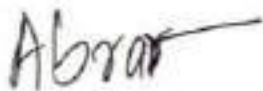
Department of Urdu, Arabic & Persian

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



Counter Signature of H.O.D.

(31)

AKI'S
POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,
Camp, Pune - 411001.

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	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


Counter Signature of H.O.D.

38

AKI'S
POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,
Camp, Pune - 411001.

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


Counter Signature of H.O.D.

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

DEPARTMENT OF ENGLISH AND POSTGRADUATE CENTER
COURSE 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 to the Present	MA I	---



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

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

DEPARTMENT OF ENGLISH AND POSTGRADUATE CENTER
COURSE 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 to the Present	MA I	---



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

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

DEPARTMENT OF ENGLISH AND POSTGRADUATE CENTER
COURSE 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

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

DEPARTMENT OF ENGLISH AND POSTGRADUATE CENTER
COURSE 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



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

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

DEPARTMENT OF ENGLISH AND POSTGRADUATE CENTER
COURSE 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	B
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

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

DEPARTMENT OF ENGLISH AND POSTGRADUATE CENTER
COURSE 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	B
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

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

DEPARTMENT OF ENGLISH AND POSTGRADUATE CENTER
COURSE 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	B
2	Optional English	FYBA	---
3	Optional English (G-2)	SYBA	A & B
4	Language for Communication	SYBSc (Computer)	A & B
5	Literary Criticism and Theory	MA I	--



Mr. Asif Irshad Khan
Assistant Professor



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

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

DEPARTMENT OF ENGLISH AND POSTGRADUATE CENTER
COURSE 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	B
2	Optional English	FYBA	---
3	Optional English (G-2)	SYBA	A & B
4	Language for Communication	SYBSc (Computer)	A & B
5	Literary Criticism and Theory	MA I	--



Mr. Asif Irshad Khan
Assistant Professor



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

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

Department of Geology

Course Completion Certificate

Academic Year 2021-2022 (Term I)

Name of the Teacher: *Ms. Mohammad A. Bangi*

Class	Theory course taught	Number of lectures required	Number of lectures actually engaged	Remarks, if any
F.Y.B.Sc	Paper I	36	36	
F.Y.B.Sc	Paper II Marine Geology	36	36	
F.Y.B.Sc	Paper V Hydrogeology	36	36	
F.Y.B.Sc	Sec I Geotechnology	36	36	

Class	Practical course taught	Number of practical required	Number of practicals actually engaged	Remarks, if any
F.Y.B.Sc	F5 Batch	11	11	
S.Y.B.Sc	S16, S15, S17, S20 Batch	11 each ^{batch}	11 each batch	
T.Y.B.Sc	Practical II	11	11	

Date:

M. Bangi
Signature of the Teacher

[Signature]
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 II)

Name of the Teacher: Mrs. M. Mohammed A. Bangi

Class	Theory course taught	Number of lectures required	Number of lectures actually engaged	Remarks, if any
B.Y.B.Sc	G1 221 Global Tectonics & Geo	36	36	
T.Y.B.Sc	G1 323 Oceanography	36	36	
T.Y.B.Sc	G1 325 Climate change	36	36	
T.Y.B.Sc	G1 328 SEM I Appl ⁿ of Remote Sensing	36	36	

Class	Practical course taught	Number of practical required	Number of practicals actually engaged	Remarks, if any
S.Y.B.Sc	Practicals	11	11	
T.Y.B.Sc	Practical Paper I	11	11	

Date:

M. Bangi

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)

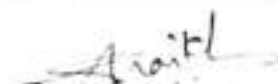
Online

Name of the Teacher: Mr. Mohsin Anshar Shaikh

Class	Theory course taught	Number of lectures required	Number of lectures actually engaged	Remarks, if any
S.Y.B.Sc	GL 211 Paper I	36	36	
T.Y.B.Sc	GL 314 Paper IV	36	36	
T.Y.B.Sc	GL 316 Paper VI	36	36	
T.Y.B.Sc	SEC II	36	36	

Class	Practical course taught	Number of practical required	Number of practicals actually engaged	Remarks, if any
S.Y.B.Sc	GL 213 Practicals	11	11	
T.Y.B.Sc	GL 317 Prac Paper II	10+1	10+1	

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 II)

Name of the Teacher: *Mrs. Mehain* *Mutkar* *Shankh*

Class	Theory course taught	Number of lectures required	Number of lectures actually engaged	Remarks, if any
S.Y.B.Sc.	GL-221 Paper I	36	36	
T.Y.B.Sc	GL-324 Paper IV	36	36	
T.Y.B.Sc	GL 326 Paper VI	36	36	
T.Y.B.Sc	SEC IV	36	36	

Class	Practical course taught	Number of practical required	Number of practicals actually engaged	Remarks, if any
S.Y.B.Sc	GL 223 Pract (S18&19)	11	11	
T.Y.B.Sc	GL 123 Prac. (FG)	11	11	
T.Y.B.Sc.	GL 328 Prac Paper V	11	11	

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 II)**

Name of the Teacher: **Mr. Tapan J. Shalkh**

Class	Theory course taught	Number of lectures required	Number of lectures actually engaged	Remarks, if any
FYBSc	Paper II G1-122	36	36	
TYBSc	Paper II G1-322	36	36	

Class	Practical course taught	Number of practical required	Number of practicals actually engaged	Remarks, if any
FYBSc	Practicals	10	10	
SYBSc	Practicals	10	10	
TYBSc	Practical I	10	10	

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)**

Name of the Teacher: *Mr. Jagan J. Shaikh*

Class	Theory course taught	Number of lectures required	Number of lectures actually engaged	Remarks, if any
FYBSc	GL-112 Paper II	39	39	
TYBSc	GL-312 Paper II	38	38	

Class	Practical course taught	Number of practicals required	Number of practicals actually engaged	Remarks, if any
FYBSc	Practicals (Online)	11	11	
TYBSc	Practical I (Online)	12	12	

Jagan J. Shaikh
Signature of the Teacher

Date:

Jagan J. Shaikh
Head, Department of Geology

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 08	
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 08	
Total	48		48	-

AQUEEL BAJAJWALA

AKI'S
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
October	09	Salient features of Protochordata	03
		Introduction to subphylum Vertebrata	02
		Introduction to class Pisces	04
November	08	Introduction to class Amphibia	03
		Study of <i>Scoliodon</i> :Systematic position, Habit and habitat, External characters	05
December	09	Study of <i>Scoliodon</i> : Digestive system, food, feeding and physiology of digestion	03
		Study of <i>Scoliodon</i> : Respiratory system, Blood vascular system	03
		Study of <i>Scoliodon</i> : Nervous system and sense organs	03
January	04	Study of <i>Scoliodon</i> : Male urinogenital system& female reproductive system	02
		Yolk and Placenta	01



Signature of Teacher



Signature of H.O.D.

AKI'S
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 : ZOOLOGY

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 03
June	11	Nervous system Sense organ Reproductive system	03 03 03


Signature of Teacher


Signature of H.O.D.

AKI'S
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

Department : Zoology

Class : TYBSc

Division : Zoology

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

Month & Year	Teaching Days Available	Topic / Subject to be Taught	Lectures Required
September	07	1. Introduction of Biochemistry 2. pH and Buffers: 2.1 Concept of pH. 2.2 Concept of pH scale, biological significance of pH 2.3 Concept of acid and base, Ionization of acids and bases. 2.4 Derivation of Henderson-Hassel Balch equation & its applications. 2.5 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 proteins, Hormonal role of proteins.	04 06
November	9	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



Signature of H.O.D.

AKI'S
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


Department : Zoology

Class : TYBSc

Division : Zoology

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 : O ₂ and CO ₂ transport. Circulation: Blood: Definition and its constituents, functions of blood. Heart: Structure of human heart, Pace maker, Cardiac Cycle. Origin and conduction of heart beat.	05 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. Mechanism of muscle contraction by Sliding filament theory.	7 5
June	10	Reproduction and Endocrine Glands: Physiology of male reproduction, hormonal control of spermatogenesis. Physiology of female reproduction, hormonal control of menstrual cycle. Structure and functions of pituitary, thyroid, parathyroid, pancreas and adrenal glands.	3 7
July	01	Revision	01


Signature of Teacher


Signature of H.O.D.

AKI'S
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.), Juxtglomerular 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


Signature of H.O.D.

AKI'S
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



Signature of H.O.D.

AKI'S
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 :** TYBSc **Division :** 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



Signature of H.O.D.

AKI'S
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	Teaching Days Available	Topic / Subject to be Taught	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



Signature of H.O.D.

AKI'S
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)

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



Signature of H.O.D.

AKI'S
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 :** 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


Signature of H.O.D.

Total	15		15

4.2.4 Performance Improvement
 4.2.5 Data Storage and Lifetimes
 4.2.6 The World Before main()

4.3. Peripheral Control
 4.3.1. Peripheral Registers
 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
 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 Latency

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 1st 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	16	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	03	
		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	02	
		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 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 3.3.4 Nested for loop 3.4 Jump statements 3.4.1 break 3.4.2 continue 3.4.3 goto 3.4.4 exit	09	
		Programs through conditional and looping statements Addition / Multiplication of integers Determining if a number is +ve / -ve / even / odd Maximum of 2 numbers,	02	



Sep	15	<p>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)</p> <p>Arrays and Strings</p> <p>5.1 Introduction to one-dimensional Array 5.1.1 Definition 5.1.2 Declaration 5.1.3 Initialization</p> <p>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</p> <p>5.4 Introduction to two-dimensional Array 5.4.1 Definition 5.4.2 Declaration 5.4.3 Initialization</p> <p>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</p> <p>5.8 Standard library functions 5.9 Implementations without standard library functions.</p>	03	
			12	
Oct	17	<p>Functions</p> <p>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</p> <p>Introduction to pointer</p> <p>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</p> <p>Structures</p> <p>8.1 Introduction to structure 8.2 Definition 8.3 Declaration 8.4 Accessing members 8.5 structure operations 8.6 nested structure</p>	09	
			04	
			04	
Total	48		48	


Signature of Teacher



FACULTY OF BACHELOR IN BUSINESS ADMINISTRATION
(COMPUTER APPLICATION)

LECTURE PLAN – YEAR:2021-2022

For the Ist / IIIrd / Vth 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	Remarks
Aug	10	<p>File Structure and Organization</p> <p>1.1 Introduction</p> <p>1.2 Logical and Physical Files</p> <p>1.2.1 File</p> <p>1.2.2 File Structure</p> <p>1.2.3 Logical and Physical Files Definitions</p> <p>1.3 Basic File Operations</p> <p>1.3.1 Opening Files</p> <p>1.3.2 Closing Files</p> <p>1.3.3 Reading and Writing</p> <p>1.3.4 Seeking</p> <p>1.4 File Organization</p> <p>1.4.1 Field and Record structure in file</p> <p>1.4.2 Record Types</p> <p>1.4.3 Types of file organization</p> <p>1.4.3.1 Sequential</p> <p>1.4.3.2 Indexed</p> <p>1.4.3.3 Hashed</p> <p>1.5 Indexing</p> <p>1.5.1 What is an Index?</p> <p>1.5.2 When to use Indexes?</p> <p>1.5.3 Types of Index</p> <p>1.5.3.1 Dense Index</p> <p>1.5.3.2 Sparse Index</p> <p>Database Management System</p> <p>2.1 Introduction</p> <p>2.2 Basic Concept and Definitions</p> <p>2.2.1 Data and Information</p> <p>2.2.2 Data Vs Information</p> <p>2.2.3 Data Dictionary</p> <p>2.2.4 Data Item or Field</p> <p>2.2.5 Record</p> <p>2.3 Definition of DBMS</p> <p>2.4 Applications of DBMS</p> <p>2.5 File processing system Vs DBMS</p> <p>2.6 Advantages and Disadvantages of DBMS</p> <p>2.7 Users of DBMS</p> <p>2.7.1 Database Designers</p> <p>2.7.2 Application programmer</p>	06	04



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

FACULTY OF BBA (COMPUTER APPLICATION)

LECTURE PLAN – YEAR: 2021-2022

For the IInd 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	11	
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

FACULTY OF BBA (COMPUTER APPLICATION)

LECTURE PLAN – YEAR: 2021-2022

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

Class and Division: FYBBA (CA)

Subject: Advance C Programming (Add O

Name of the Teacher: Mirza Imran Baig

Month	Periods Available	Topic/Sub-topic to be covered	Periods Required	Remarks
Jan	08	Union and Enumeration 1.1 Union 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(), printf(), 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 Graphics programming 3.1 Introduction of graphics 3.2 Graphical functions 3.3 Simple Programs 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 4.2.5 Data Storage and Lifetimes	01 02 04	



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



Signature of Teacher



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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

Name of the Teacher: Imran Baig Mirza

Month	Periods Available	Topic/Sub-topic to be covered	Periods Required	Remarks
Aug	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	04	
		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, Social Media Marketing, Mobile Marketing	04	
		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	04	
		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	04	
		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, Photosharing - Instagram, Podcasts) 7.3 Web analytics - levels		



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FACULTY OF BBA (COMPUTER APPLICATION)

LECTURE PLAN – YEAR: 2021-2022

For the IIIrd Term: From

Class and Division: SYBBA (CA)

Subject: PHP

Name of the Teacher: Mirza Imran Baig 01/07/2021 to 11/12/2021

Month	Periods Available	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	06	
		Control Structures and Loops 2.1 Conditional Statements 2.2 Using Loops for Repetitive tasks 2.3 Combining Loops and Arrays	07	
		Functions, Objects and Errors 3.1 PHP's Built-in functions 3.2 Creating Custom functions	03	
Sep	16	3.3 Passing Values by Reference 3.4 Understanding Objects	04	
		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	
Oct	16	5.3 Validating and restricting data 5.4 Sending Email	02	
		Storing and Protecting Data 6.1 Setting and Reading Cookies 6.2 Protecting Online Files 6.3 Understanding Session Variables	07 07	
		MySQL Database Overview 7.1 phpMyAdmin Overview 7.2 Using a MySQL Database 7.3 Reading and Writing Data		
Total	48		48	




 Signature of Teacher

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



Signature of Teacher



		<p>3.4 Generalized Linked List – Concept and Representation</p> <p>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</p> <p>Queue 5.1 Introduction 5.2 Representation - Static & Dynamic 5.3 Primitive Operations on Queue</p>	08	
Oct	14	<p>5.4 Circular queue, priority queue 5.5 Concept of doubly ended queue</p> <p>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, postorder) 6.6 Application – Heap sort</p>	.03 11	
Nov	08	<p>6.7 Height balanced tree- AVL trees- Rotations, AVL tree examples.</p> <p>Graph 7.1 Concept & terminologies 7.2 Graph Representation – Adjacency 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</p>	01 07	
Total	48		48	


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FACULTY OF BACHELOR IN BUSINESS ADMINISTRATION
(COMPUTER APPLICATION)

LECTURE PLAN – YEAR:2021-2022

For the Ist / IIIrd / 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 Javascript and Angular JS Advantages of Angular AngularJS MVC Architecture Introduction to SPA Setting up the environment First App using MVC architecture	08	
		AngularJS Directives and Expressions: Understanding ng attributes ng-app, ng-init, ng-model, ng-controller	02	
Sep	16	ng-bind, ng-repeat, ng-show, ng-readonly, ng-disabled, ng-if, ng-click Expression and Data Binding Working with directives	08 08	
		AngularJS Modules, Controller, View and Scope: Angular Modules Angular Controller		
Oct	14	Angular View Scope hierarchy	02	
		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	
Total	48		48	



Reshma Kadam
Signature of Teacher

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	04	
		ACTIVITY, INTENT AND LAYOUT 2.1 Introduction to Activity 2.2 Activity life cycle 2.3 Introduction to Intent 2.4 Types of Intent(Implicit and Explicit Intent) 2.5 Layout Manager 2.5.1 View and View Group	04	
Dec	14	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 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	10	



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DEPARTMENT OF BBA-CA

TIME-TABLE - YEAR [2021-22]

FY BBA (CA) | SEM-II

TIME	MON	TUE	WED	THU	FRI	SAT
08:00 - 08:50	PPA (SS) STAT	PPA (SS) STAT	PPA (SS) STAT	POM (DK) C-PRG (MIB)	POM (DK) C-PRG (MIB)	POM (DK) C-PRG (MIB)
08:50 - 09:40	BUS. COMM (JP)	BUS. COMM (JP)	BUS. COMM (JP)	DBMS (RK)	DBMS (RK)	DBMS (RK)
09:40 - 10:30	C-PRG (MIB) (TT)	BC (JP) (TT)	POM (DK) (TT)	STAT (TT)	DBMS (RK) (TT)	PPA (SM) (TT)
10:30 - 11:20						

(SS - Dr. Shabana Shaikh, RK - Dr. Reshma Kadani, MIB - Dr. Mirza Imran Baig, JP - Ms. Jahanara Pathan, DK - Dipika Kirmge)



DR. SHABANA SHAIKH
HOD



PROF. (DR) AFTAB ANWAR SHAIKH
PRINCIPAL

HEAD
Department of BBA(CA)
AKI's Poona College of Arts, Science &
Commerce, Camp, Pune-41



Principal
Prof. (Dr) Aftab Anwar Shaikh
Department of BBA(CA)
AKI's Poona College of Arts, Science &
Commerce, Camp, Pune-41

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POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE

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

TIME	MON	TUE	WED	THU	FRI	SAT
07:30-08:20	Angular JS (RK)	Angular JS (RK)	Angular JS (RK)	Practical (RK)	Practical (RK)	Practical (RK)
08:20-09:10	DS (RK)	DS (RK)	DS (RK)	Practical (RK)	Practical (RK)	Practical (RK)
09:10-10:00	Big Data (FA)	Big Data (FA)	Big Data (FA)	Practical (RK)	Practical (RK)	Practical (RK)
10:00-10:30	BREAK					
10:30 - 11:20	Digital Marketing (IMB)	Digital Marketing (IMB)	Digital Marketing (IMB)	SE (SS)	SE (SS)	SE (SS)
11:20 - 12:10	PHP (IMB)	PHP (IMB)	PHP (IMB)	Block Chain (IMB)	Block Chain (IMB)	Block Chain (IMB)

(SS – Dr. Shabana Shaikh, RK -Dr. Reshmi Kadam, FA – Faheemuddin Ahmed, IMB – Dr. Imran Mirza Baig)



DR.SHABANASHAIKH
HOD

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Capter Towered 5/1 BBA/CA/
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PROF. (DR) AFTAB ANWAR SHAIKH
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DEPARTMENT OF BBA-CA

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

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

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

DR.SHABANASHAIKH
HOD

HEAD

Department of BA/BCA
Poonna College of Arts, Science &
Commerce, Pimpri, Pune-411001



PROF.(DR)AFTABANWARSHAIKH
PRINCIPAL

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**AKI'S
POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,
CAMP, PUNE**

**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							
08.00	P	Angular JS	Angular JS	Angular JS	Practical	Practical	Practical
To	C	SYBBA-CA	SYBBA-CA	SYBBA-CA	SYBBA-CA	SYBBA-CA	SYBBA-CA
08.50	H	Online	Online	Online	Online	Online	Online
08.50	P	DS	DS	DS	Practical	Practical	Practical
To	C	SYBBA-CA	SYBBA-CA	SYBBA-CA	SYBBA-CA	SYBBA-CA	SYBBA-CA
09.40	H	Online	Online	Online	Online	Online	Online
09.40	P	Cyber Security	Cyber Security	Cyber Security	DBMS	DBMS	DBMS
To	C	TYBBA-CA	TYBBA-CA	TYBBA-CA	FYBBA-CA	FYBBA-CA	FYBBA-CA
10.30	H	Online	Online	Online	Online	Online	Online
11.00	P						
To	C						
11.50	H						
Timing Available on the Campus							


P- Paper/Subject

C- Class/Division

H- Hall No


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

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	
	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							
8.00	P	Core Java	Core Java	Core Java			
To	C	TYBBA(CA)	TYBBA(CA)	TYBBA(CA)			
8.50	H	Online	Online	Online			
9.00	P	Data Administration	Data Administration	Data Administration	OOSE	OOSE	OOSE
To	C	TYBBA	TYBBA	TYBBA	TYBBA(CA)	TYBBA(CA)	TYBBA(CA)
9.50	H	Online	Online	Online	Online	Online	Online
10.00	P	Big Data	Big Data	Big Data	Practicals(10:00 Am to 1:30)	Practicals(10:00 Am to 1:30)	Practicals(10:00 Am to 1:30)
To	C	SYBBA(CA)	SYBBA(CA)	SYBBA(CA)	TYBBA CA	TYBBA CA	TYBBA CA
10.50	H	Online	Online	Online	Online	Online	Online
Timing Available on the Campus	12:00 to 4:00						

P- Paper/Subject

C- Class/Division

H- Hall No

Head of the Dept.

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Department of BBA(CA)
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Sign. Of the Lecturer



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)	Big Data	83	04	
TYBBA(CA)	CORE JAVA	83	04	
TYBBA(CA)	OOSE	83	04	
TYBBA	Database Administration	78	04	
Practical's:				
TYBBA(CA)	TYBBA (CA) Practical (Ad.Java, Ad. Web Technologies)	83	12	
TYBBA(CA)	Project Work	21	04	
Remission:				

Total workload per week: 32

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CAMP, PUNE

DEPARTMENT OF BACHELOR IN BUSINESS ADMINISTRATION
(COMPUTER APPLICATION)

INDIVIDUAL TIME - TABLE
(Year 2021-2022)


Name of the Lecturer: Dr. Reshma Kadam

Lecturer Timing		Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
07.30	P	C++	C++	C++	Practical	Practical	Practical
To	C	SYBBA(CA)	SYBBA(CA)	SYBBA(CA)	SYBBA(CA)	SYBBA(CA)	SYBBA(CA)
08.20	H	M7	M7	M7	BCA Lab	BCA Lab	BCA Lab
08.20	P	Android Pro	Android Pro	Android Pro	Practical	Practical	Practical
To	C	TYBBA(CA)	TYBBA(CA)	TYBBA(CA)	SYBBA(CA)	SYBBA(CA)	SYBBA(CA)
09.10	H	M6	M6	M6	BCA Lab	BCA Lab	BCA Lab
09.10	P		DS		Practical	Practical	Practical
To	C		SYBBA(CA)		SYBBA(CA)	SYBBA(CA)	SYBBA(CA)
10.00	H		Online		BCA Lab	BCA Lab	BCA Lab
10.50	P	C++			Node JS	Node JS	Node JS
To	C	SYBBA(CA)			SYBBA(CA)	SYBBA(CA)	SYBBA(CA)
11.40	H	M7			M7	M7	M7
11.40	P				Node JS		Project
To	C				SYBBA(CA)		SYBBA-CA
12.30	H				M7		BCA Lab
Timing Available on the Campus							

P- Paper/Subject

C- Class/Division

H- Hall No



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**AKI'S
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CAMP, PUNE**


**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	
	Android Programming	83	04	
	Node JS	83	04	
Practical:				
	SYBCA Practical (C++/NODE JS/ ADV. PHP)	79	12	
	SYBBA-CA Project		04	
Remission:				

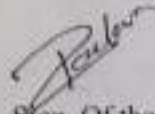
Total workload per week: 32


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

INDIVIDUAL TIME - TABLE

(Year 2021-2022)


Name of the Lecturer: Mr. Faheemuddin Ahmed

Lecturer Timing		Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
7.30	P	Adv Java	Adv Java	Adv Java	RTI	RTI	RTI
To	C	TYBBA(CA)	TYBBA(CA)	TYBBA(CA)	TYBBA(CA)	TYBBA(CA)	TYBBA(CA)
8.20	H	M6	M6	M6	M6	M6	M6
9.00	P	Networking	Networking	Networking			
To	C	SYBBA(CA)	SYBBA(CA)	SYBBA(CA)			
9.50	H	M7	M7	M7			
10.00	P	Practical	Practical	Practical	RTI (TT) (10:00 to 10:50)	Adv Java (TT) (10:00 to 10:50)	
To	C	TYBBA(CA)	TYBBA(CA)	TYBBA(CA)	TYBBA(CA)	TYBBA(CA)	
12.30	H	BCA LAB	BCA LAB	BCA LAB	M6	M6	
Timing Available on the Campus	07:30 to 4.00						


P- Paper Subject

C- Class/Division

H- Hall No


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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:				

Total workload per week: 28

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Head of the Dept.

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[Signature]
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AKI'S Poona College of Arts, Science &
Commerce, Camp, Pune-411001



**AKI'S
POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,
CAMP, PUNE**

**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	P				C-PROG	C-PROG	C-PROG
To	C				FYBBA-CA	FYBBA-CA	FYBBA-CA
09.40	H				Online	Online	Online
10.30	P	Digital Marketing	Digital Marketing	Digital Marketing			
To	C	SYBBA-CA	SYBBA-CA	SYBBA-CA			
11.20	H	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.

Principal


Sign. Of the Lecturer

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Department of BEA(CA)
AKI's Poona College of Arts, Science &
Commerce, Camp, Pune-1



**AKI'S
POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,
CAMP, PUNE**

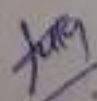
**DEPARTMENT OF BACHELOR IN BUSINESS ADMINISTRATION
(COMPUTER APPLICATION)**

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


Name of the Lecturer: Dr. Imran Baig Mirza

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

Total workload per week: 28


Head of the Dept.

Principal


Sign. Of the Lecturer

HEAD
Department of BBA(CA)
AKI's Poona College of Arts, Science &
Commerce, Camp, Pune-1



**AKI'S
POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,
CAMP, PUNE**

**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
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
08.20	P				Advance C	Advance C	Advance C
To	C				FYBBA-CA	FYBBA-CA	FYBBA-CA
09.10	H				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	7:30 AM To 03:00 PM	7:30 AM To 03:00 PM	7:30 AM To 03:00 PM	7:30 AM To 03:00 PM

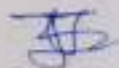
P- Paper/Subject

C- Class/Division

H- Hall No


Head of the Dept.

Principal


Sign. Of the Lecturer

HEAD
Department of SBA(CA)
AKI's Poona College of Arts, Science &
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**AKI'S
POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,
CAMP, PUNE**


**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:				

Total workload per week: 28


Head of the Dept.

Principal


Sign. Of the Lecturer

HEAD
Department of BBA/CA
AKI's Poona College of Arts, Science &
Commerce, Camp, Pune-1



AKI's
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

AKI's
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

A handwritten signature in blue ink, appearing to read "Faheemuddin Ahmed".

AKI's,
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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
8	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

Signature of the Staff Member

Date:



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POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,

Camp, Pune - 411001

LECTURE / TEACHING PLAN

SECOND SEMESTER (CBCS) (T-II)

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	1. INTRODUCTION: Introduction to plant diversity- Pteridophytes, Gymnosperms and Angiosperms with reference to vascular plants.	03
		2. PTERIDOPHYTES: General characters, Outline classification according to Sporne (1976) up to classes with reasons. Life cycle of <i>Nephrolepis</i> w.r.t. Habit, habitat, distribution, morphology, anatomy of stem and leaf,	09
March 2021	11	Reproduction – vegetative and sexual	01
		3. Utilization and economic importance of Pteridophytes.	02
April 2021	14	1. GYMNOSPERMS: General characters, Outline classification according to Sporne (1977) up to classes with reasons. Life cycle of <i>Cycas</i> 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
		Utilization and economic importance of gymnosperms.	04
May 2021	13	2. ANGIOSPERMS: General characters, Outline of classification of Bentham and Hooker's system up to series, comparative account of monocotyledons and dicotyledons.	10
		3. Utilization and economic importance of Angiosperms: In food, fodder, fibers, horticulture and medicines.	10
June 2021	12	Assignment	03
July 2021	15	Revision	06
		Seminars	06
July 2021	15	University Examinations	


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POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,

Camp, Pune - 411001

LECTURE / TEACHING PLAN

SECOND SEMESTER (CBCS) (T-11)

Academic year 2020 - 2021

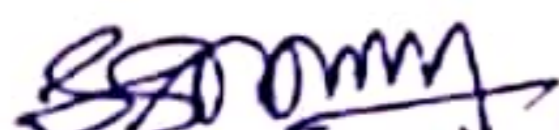
Name of the Teacher : Dr. Shafikh Shaikh

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
		2. Diffusion – definition, importance of diffusion in plants, imbibition as a special type of diffusion.	03
		3. Osmosis – definition, types of solutions (hypotonic, isotonic, hypertonic), endosmosis, exo-osmosis, osmotic pressure, turgor pressure, wall pressure, importance of osmosis in plants.	06
March 2021	12	4. Plasmolysis – definition, mechanism and significance.	04
		Cell cycle in plants- importance of cell cycle in plants, divisional stages of mitosis and meiosis.	04
		1. Introduction and scope of molecular biology, central dogma of molecular biology.	04
April 2021	12	2. Structure of DNA, nucleoside and nucleotide	04
		3. Watson Crick model of DNA and its characteristic features, types of DNA (A, B and Z DNA).	03
		4. Types of chromosomes.	04
May 2021	13	5. Structure and types of RNA.	03
		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 Revision	06 06
July-2021	15	University Examination	


Signature of teacher


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POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,
Camp, Pune - 411001
LECTURE/ TEACHING PLAN
SECOND TERM/SEMESTER (T-II)
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
March 2021	12	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
		5. Anomalous secondary growth 5.1 Introduction 5.2 Causes of anomalous secondary growth 5.3 Anomalous secondary growth in: a) Dicotyledonous stem (<i>Bignonia</i>), b) Dicotyledonous root (<i>Raphanus</i>), c) Monocotyledonous stem (<i>Dracaena</i>)	04
		Credit-II Plant Embryology	
		7. Introduction 7.1 Definition and scope of plant embryology	01
		8. Microsporangium and male gametophyte 8.1 Structure of tetrasporangiate anther	

		<p>8.2 Types of tapetum 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</p> <p>9 Megasporangium and female gametophyte 9.1 Structure 9.2 Types of ovules 9.3 Types of megaspore tetrads 9.4 Female gametophyte: structure of typical embryo sac</p>	04
April 2021	14	<p>9.5 Types of embryo sacs – monosporic, bisporic and tetrasporic</p> <p>10. Pollination and Fertilization: 10.1 Introduction and definition 10.2 Types of pollination 10.3 Germination of pollen grain 10.4 Entry of pollen tube- porogamy, mesogamy and chalazogamy 10.5 Double fertilization and its significance.</p> <p>11. Endosperm and embryo 11.1 Endosperm: Types – nuclear, helobial and cellular. 11.2 Structure of Dicotyledonous and Monocotyledonous embryo.</p> <p>Home work</p>	01 03 03 07
May 2021	13	<p>Revision</p> <p>Question Bank</p>	07 06
June 2021	12	University Examination	02 02
July 2021	15		01



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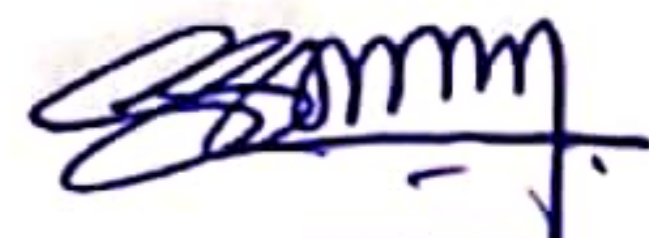


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		<p>4.1 Introduction, concept</p> <p>4.2 Tools of genetic engineering (restriction enzymes, ligases, plasmid vectors)</p> <p>4.3 Gene cloning Technique</p> <p>4.4 Applications of plant genetic engineering: insect pest resistance, abiotic stress tolerance, herbicide resistance</p> <p>Genomics, Proteomics and Bioinformatics</p> <p>5.1 Genomics- concept, types, methods used for whole genome sequencing</p>	<p>5</p> <p>2</p>
April 2021	12	<p>5.2 Proteomics-concept, types, methods used in proteome analysis</p> <p>5.3 Bioinformatics-concept, database and its classification, data retrieval tools.</p> <p>Bioremediation</p> <p>6.1 Introduction and concept</p> <p>6.2 Microbial remediation</p> <p>6.3 Phytoremediation</p> <p>Biofuel technology</p> <p>7.1 Definition, Concept and types of Renewable and nonrenewable energy sources</p> <p>7.2 Definition and concept of Biogas, Bioethanol, Biobutanol, Biodiesel & Biohydrogen</p> <p>Revision</p>	<p>3</p> <p>2</p> <p>3</p> <p>4</p>
May 2021	4	Question Bank	4



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Name of the Teacher : Dr. Rafik Usman Shaikh

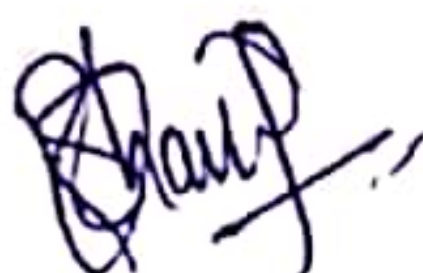
Department : Botany

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	<p>Introduction to Syllabus</p> <p>Photosynthesis: Structure of a chloroplast, photosynthetic pigments and their role, Photosystems, Light reaction</p> <p>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.</p>	10
		<p>Respiration: Structure of a mitochondrion, Respiratory 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.</p>	06
March 2021	17	<p>Significance of respiration.</p>	01
		<p>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.</p>	05
		<p>Stress Physiology: Concept of abiotic, biotic and xenobiotic stresses. Types of stresses – Salinity, drought. Effect of stresses on the plant growth.</p>	04
		<p>Carbohydrates: Definition and classification Properties and functions of carbohydrates. Synthesis and breakdown of starch.</p>	04
		<p>Amino acids and proteins: Definition, synthesis and properties of amino acids. Role of amino acids.</p>	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- Lock and key hypothesis, Induced fit theory. Factors affecting enzyme activity – pH, temperature, substrate concentration, enzyme concentration. Enzyme inhibitors – Competitive, uncompetitive, non-competitive.	06
		Secondary Metabolites: Definition, Types, Metabolic pool and biosynthesis of secondary metabolites through – malonic, mevalonic and shikimic acid pathways. Role of secondary metabolites.	05
May 2021	17	Homework , Revision, Question Bank	17
June 2021	17	University Examination	04
July 2021	18		



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POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,

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LECTURE / TEACHING PLAN

TERM-II / SEMESTER - V

Academic year 2020 - 2021

Name of the Teacher : Aafreen A. Ahmed

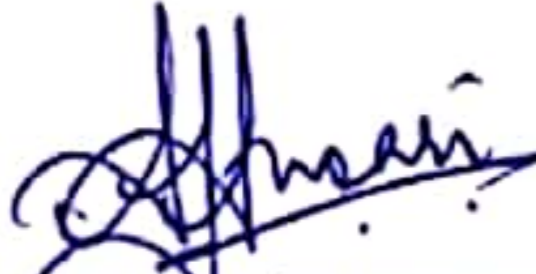
Department : Botany

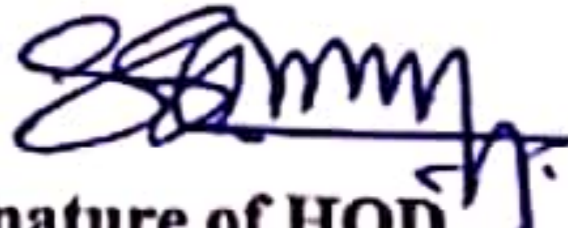
Class: T. Y. B. Sc.

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 Introduction, Concept, Aims and objectives, Scope and values of Biodiversity.	05
April 2021	16	Characterization of Biodiversity: Introduction, need for characterization, various disciplines of Biodiversity- Genetics, Species and Ecosystem. Concept of endemism and phytogeography. 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)	06 10
May 2021	18	Inventorying and Monitoring of Biodiversity: Introduction, Necessity, planning and approaches to inventorying and monitoring, capacity building Conservation of Biodiversity: Current Practices in Conservation, <i>In-situ Conservation</i> : International efforts and Indian initiatives; protected areas in India, Concept of Biosphere Reserves and National Parks. <i>Ex-situ Conservation</i> : 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), <i>Social Approach to Biodiversity Conservation</i> : Sacred Groves, Sthalavrikshas, Chipko Movement, Role of Universities and other Educational Institutions in Biodiversity Conservation	04 10 04
June 2021	18	Revision Seminars Home Assignments Question Bank	09 03 02 04
July 2021	16	University Examinations	


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POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,
Camp, Pune - 411001

LECTURE / TEACHING PLAN

SECOND TERM / SEMESTER

Academic year 2020 - 2021

Name of the Teacher : Dr. Shafikh Shaikh
 Department : Botany
 Subject/ Paper : Plant Pathology (Paper-III)

Class: T. Y. B. Sc.

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.	08
		2. 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

March 2021	18	<p>4. Methods of Studying Plant Diseases: Macroscopic study, Microscopic study, Koch"s postulates.</p>	05
		<p>Culture technique, Media Types and Preparation, Pure culture methods- streak plate, Pour plate, spread plate, Serial dilution.</p>	03
		<p>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.</p>	05
		<p>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.</p>	05
April 2021	17	<p>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.</p>	04
		<p>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.</p>	04
		<p>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.</p>	05
		<p>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.</p>	04
May 2021	13	<p>11. Principles of Plant Disease Control: General account, Quarantine, Eradication, cultural control practices, Biological control, Curative measures, Chemical control, Use of Effective Microorganism Solution (EMS), Microbial Pesticides, IPM</p>	05
		<p>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</p>	08

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


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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	<p>Introduction to Syllabus</p> <p>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)</p> <p>2. Ayurvedic Pharmacy 2.1 Introduction 2.2 Tridosha concept, Humoral, Indigenous Systems of medicine (Ayurveda, Siddha, Unani, Tibi, Chinese etc.) 2.3 Ayurvedic principles- Ras. Guna, Vipaka, Virya, Prabhava, 2.4 Ayurvedic formulations –Asava, Arishta, Kvatha, Churna, Ksharas, Leha, Vatika, Taila, Bhasma,</p>	02 06 08
March 2021	17	<p>3. Analytical Medicinal botany 3.1 Drug adulteration 3.2 Methods 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.</p> <p>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.</p> <p>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 :- <i>Glycyrrhiza</i>, Stem drugs: - <i>Ephedra</i>,</p>	07 10

		<p>Leaf drugs: - <i>Adhatoda</i> Flower drugs: - Clove, Fruit drugs: - Amla, Unorganized drugs :- Shilajit and <i>Acacia</i> gum, Contraceptive drugs: - <i>Dioscorea</i>.</p>	
April 2021	16	<p>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 <i>Strychnos nux vomica</i>-Seeds, <i>Tinospora cordifolia</i>-Stem</p>	06
		<p>6.2 Concept of active principle, and major metabolic Pathway (Carbohydrates and Proteins) leading to the Production of therapeutically active Chemical Constituents</p>	04
		<p>6.3 Concept, definition and introduction to Biopharmaceutics, Pharmacodynamics and clinical Pharmacokinetics with applications</p>	06
May 2021	17	<p>7. Ethnobotany: Definition, principles, scope and ethnic societies in India.</p>	03
		<p>Economic Botany 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 2.1 Paper making and 2.2 Gums</p>	08
		<p>3. Origin, evolution, source & uses of Rice, <i>Curcuma longa</i>, Safflower, Sugarcane, <i>Butea monosperma</i> / <i>Samanea saman</i> / <i>Sclleichera oleosa</i> and Rose.</p>	06
June 2021	17	Question paper solving	04
		Home work	02
		Revision	04
		Question Bank	05
July 2021	19	University Examinations	

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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 Biotechnology Global Impact and Current excitements of plant Biotechnology - Plant Health care and plant protection.	05
		Plant Tissue Culture Brief History, Importance of plant tissue culture Types of culture, basic technique of plant tissue culture, Concept, technique and 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 storage low pressure and low oxygen storage, applications	04
		Transgenic Plants as Bioreactors Metabolic engineering of starch, cyclodextrins, fructans, ioplastics, Genetically engineered plants as protein factories, Production of therapeutic proteins from plants.	06
		5. Biotechnology of Biological Nitrogen Fixation Non symbiotic Nitrogen Fixation-	06

		<p>Diazotrophs and their ecology, special features, Mechanism of N₂ Fixation</p> <p>Nitrogenase and Hydrogenase</p> <p>Symbiotic N₂ Fixation- establishment of symbiosis, Factors affecting and mechanism of symbiotic N₂ Fixation</p> <p>Genetics of Diazotrophs- Nod genes, Nif gene</p> <p>Biofertilizers- algal, fungal, phosphate solubilising and organic fertilizers</p>	
April 2021	16	<p>Biotechnology and Society</p> <p>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</p> <p>Bioinformatics</p> <p>Introduction, Database and its classification, NCBI, Data retrieval tools, INTREZ, OMIN, BLAST, FASTA, Applications of Bioinformatics</p> <p>Genomics and Proteomics</p> <p>Genomics- methods, types and applications, Proteomics- Concept, types and Importance</p>	<p>04</p> <p>04</p> <p>04</p>
May 2021	12	Revision	12
June 2021	4	Question Bank	4


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POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,
CAMP, PUNE-411001
LECTURE / TEACHING PLAN
SECOND TERM/FOURTH SEMESTER

Academic year 2020-2021

Name of the Teacher : **Dr. Aafreen Abrar Ahmed**

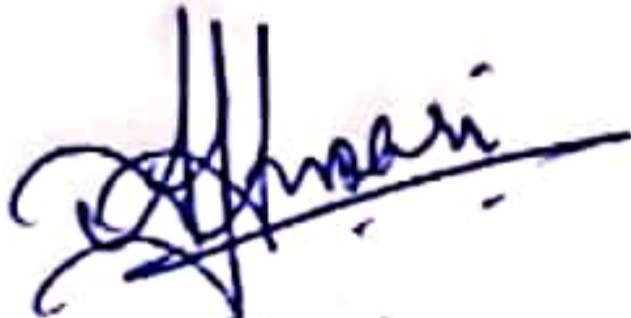
Department : Botany

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	<p>PLANT BREEDING:</p> <p>1. Introduction, scope and importance.</p> <p>2. Conventional techniques, methods and practices of breeding: (a) Plant introduction and acclimatization:</p> <p>i. Concept, objectives ii. Types of plant introduction iii. Advantage, limitations/ Disadvantages and achievements.</p> <p>(b) Selection methods: i. Concept, ii. Types of selections –mass selection, pure line selection and clonal selection. iii. Advantage and disadvantages/limitations, achievements.</p> <p>(c) 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</p> <p>Breeding Methodology: i. Pedigree method ii. Bulk method, iii. Single-seed descent method iv. Backcross method, Achievements</p> <p>(d) Heterosis and hybrid vigour: i. Concept, ii. Causes of heterosis- dominance hypothesis, iii. Applications</p>	<p>02</p> <p>10</p> <p>04</p>

		<p>5. Physical purity analysis: Definition of purity components Procedure ODV test Reporting and results.</p> <p>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.</p> <p>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.</p>	<p>03</p> <p>08</p>
June 2021	17	<p>Revision</p> <p>Seminar</p> <p>Home assignments</p> <p>Question Bank</p>	<p>06</p> <p>03</p> <p>04</p> <p>04</p>
July 2021	19	University Examinations	



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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.

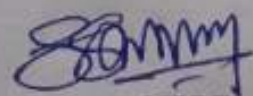
Subject/ Paper : Plant Morphology and Anatomy (Paper- II)

Month & Year	Teaching Days Available	Topic / Subject to be taught	Lectures Required
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 scorpioid; Dichasial and Polychasial. c) Special types -Verticillaster, Cyathium and Hypanthodium. 2.1.3 Significance	06
		2.2: FLOWER: 2.2.1 Introduction and definition 2.2.2 Parts of a typical flower: Bract, Pedicel, Thalamus-forms, Perianth- Calyx and Corolla, Androecium and Gynoecium.	03
October 2021	14	2.2.3 Symmetry: Actinomorphic and zygomorphic, Sexuality- Unisexual and 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

		<p>Gamopetalous- Infundibuliform, Bilabiate, Tubular and Campanulate. iii) Aestivation- types and significance. c) Perianth: Nature- Polypetalous, Gamotepalous. d) Androecium: Structure of typical stamen, Variations- cohesion and adhesion. e) Gynoecium: Structure of typical carpel, number, position, cohesion and adhesion; placentation- types and significance.</p> <p>2.3: FRUITS: 2.3.1 Introduction and definition 2.3.2 Types of fruits: a) Simple: Indehiscent - Achene, Cypsel, 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</p>	05
November 2021	12	<p>3. ANATOMY: 3.1 Introduction and definition 3.2 Importance in Taxonomy, Physiology, Ecological interpretations, Pharmacognosy and Wood identification.</p> <p>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.</p>	05 07
December 2021	14	<p>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.</p> <p>Home work Revision</p>	07 04 03
January 2022	13	University Examination	



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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	1. 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
		2. 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
October 2021	12	Apocynaceae, Nyctaginaceae and Amaryllidaceae	03
		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	

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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)

Month & Year	Teaching Days Available	Topic / Subject to be taught	Lectures Required
September 2021	13	1. Introduction to Plant Physiology	01
		Scope and applications of plant physiology	03
		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	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			
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			
October 2021	13	4.7 Antitranspirants	02
		4.8 Guttation	
		4.9 Exudation	07
		5. Nitrogen metabolism	
		5.1 Introduction and role of nitrogen in plants	
		5.2 Nitrogen fixation by Rhizobium and BGA	
		5.2.1 Symbiotic nitrogen fixation, nitrogenase enzyme- structure and function	04
5.2.2 Non-symbiotic nitrogen fixation			
5.3 Importance and production technique of BGA			

		<p>5.4 Denitrification, ammonification and nitrification</p> <p>5.5 Reductive amination and transamination</p> <p>6. Seed dormancy and germination</p> <p>6.1 Definition, types of seed dormancy and germination</p> <p>6.2 Methods to break seed dormancy</p> <p>6.3 Metabolic changes during seed germination</p> <p>6.4 Role of phytohormones to improve seed germination</p> <p>6.5 Vigor Index</p>	
November 2021	12	<p>7. Physiology of flowering</p> <p>7.1 Photoperiodism – Concept, definition, short day plants, long day plants and day neutral plants.</p> <p>7.2 Phytochrome theory, role of phytohormones in induction and inhibition of flowering</p> <p>7.3 Applications of photoperiodism</p> <p>7.4 Vernalization–concept and definition, mechanism of vernalisation, applications of vernalisation and devernalization</p> <p>Revision</p> <p>Question Bank</p>	<p>04</p> <p>04</p> <p>04</p>
December 2021	14	<p>Home work</p> <p>Seminars</p>	<p>05</p> <p>09</p>
January 2022	13	University examination	

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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

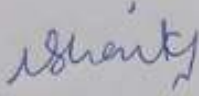
Department : Botany

Class: T. Y. B. Sc.

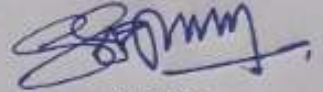
Subject/ Paper : Cryptogamic Botany (Algae and Fungi) (Paper- I)

Month & Year	Teaching Days Available	Topic / Subject to be taught	Lectures Required
September 2021	13	Introduction: Cryptogams- meaning, Types- Lower Cryptogams, brief Review with examples	01
		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 2021	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), Penicillium and Cercospora	06
November 2021	12	(Deuteromycotina) [Two members of Deutero.]	02
		Symbiotic Associations - Lichens, Mycorrhiza and their significance	04
		Revision	06

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



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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

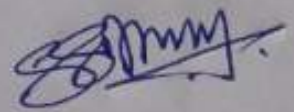
Class: T. Y. B.Sc

Subject/ Paper : **BO 352 Archegoniate**

Month & Year	Teaching Days Available	Topic / Subject to be taught	Lectures Required
November 2021	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 classes with reasons Range of thallus organisation, origin of Bryophytes - Pteridophytes	1 2 1
December 2021	11	Algal hypothesis, evolution of sporophyte Study of Life Cycle of Bryophytes with respect to Taxonomic position, Morphology, Anatomy, Reproduction, Gametophytes and sporophytes of Marchantia, Anthoceros and Funaria Ecological and economic importance of Bryophyte	1 9 1
January 2021	12	Credit-II Pteridophytes Introduction, Vascular Cryptogams, General characteristics, Classification according 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,	2 3 7
February 2021	10	Morphology, Anatomy, Reproduction, Sporophytes and Gametophytes of Psilotum, Selaginella and Equisetum Ecological and Economical Importance of Pteridophytes Revision and question paper solving	2 1 7
March 2021	1	Examination	1



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Signature of I/C Head