



**Anjuman Khairul Islam's**

**POONA COLLEGE OF ARTS, SCIENCE & COMMERCE**

- Affiliated to Savitribai Phule Pune University: ID No PU/PN/ASC/023/1970
- Junior College Index No: J-11.15.004
- Government of Maharashtra and Savitribai Phule Pune University Recognized Minority Institute
- UGC - 2(f) & 12 (B) Status • NAAC Re-accredited College • DST - FIST Funded College



K. B. Hidayatullah Road, Camp,  
Pune - 411001. (MS), India



+91-20-2645 4240 / 2644 6319.



[www.poonacollege.edu.in](http://www.poonacollege.edu.in)  
[principal@poonacollege.edu.in](mailto:principal@poonacollege.edu.in)

# 2023-24

## Metric 1.1.1: Supporting Documents

**1. Department Time Table**

**2. Workload**

**3. Individual Time Table**

**4. Lecture Plan**

**5. Course Completion**

**6. List of books in Department Library**

**Department of Botany**  
**Time Table Term-I (2023-24)**

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
7.20am-10.40am FY Practicals			(F13+F14) AA+SS	(F15+F16) RS+NS	(F9+F10) IUS+SS	(F11+F12) NS+RS
9.10 am – 10.00 am	SY (P-II) SS	SY (P-II) SS	SY (P-II) SS	SY (P-I) AA	SY (P-I) AA	SY (P-I) AA
10.50 am – 11.40 am	TY (P-III) RS	TY (P-II) IUS	TY (P-III) RS	TY (P-XI) AA	TY (P-XI) AA	TY (P-XI) AA
11.40am-12.30pm	FY (P-I) IUS TY (P-IV) AA	FY (P-I) IUS TY (P-VI) NS	FY (P-I) IUS TY (P-VI) NS	TY (P-V) IUS	TY (P-V) IUS	TY (P-V) IUS
12.30 pm – 01.20 pm	TY (P-II) IUS	TY (P-III) RS	TY (P-IV) AA	TY (P-X) RS	TY (P-X) RS	TY (P-X) RS
01.20 pm – 02.10 pm	TY (P-I) SS	TY (P-IV) AA	TY (P-II) IUS	FY (P-II) RS TY (P-I) SS	TY (P-VI) NS	FY (P-II) RS TY (P-I) SS
03.00 pm – 03.50 pm					FY (P-II) RS	
12.30pm-4.50pm SY Practicals	S15+S16+S19 AA+NS+RS	S11+S18 IUS+SS	S12+S14+S17+S20 RS+NS+SS			
2.30pm-5.30pm TY Practicals		P-II AA	P-I IUS		P-III NS	

1. Dr. Shafikh Shaikh (SS)
2. Dr. Sayyed Ilyas (IUS)
3. Dr. Rafik Shaikh (RS)
4. Dr. Aafreen A. Ahmed (AA)
5. Ms. Nabila Shaikh (NS)

  
**Dr. Shafikh Shaikh** **HEAD**  
 I/C Head **Department of Botany**  
 Department of Botany, Poona College of Arts, Science & Comm  
 Camp, Pune-411001



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**Professor (Dr.) Aftab Anwar Shaikh**

M.Com, Ph.D (Busi. Admin.)

**PRINCIPAL**



+91 98226 21579



dranwarshaikh@gmail.com

## M.Sc. - I Time Table for Second Semester 2023 – 2024

(w. e. f. 02/01/2024)

Time	MON	TUES	WED	THU	FRI	SAT
10.00 to 11.00	CHEOD-551 (AST)	CHEOD-551 (AST)	Seminar/ Tutorials	Seminar/ Tutorials	CHE-553 (RS)	Seminar/ Tutorials
11.00 to 12.00	CHE-552 (FS)	CHE-552 (FS)	CHE-552 (FP)	CHE-553 (RS)	CHE-553 (FS)	CHE-553 (FS)
12.00 to 01.00	CHE-557(C) (AS)	CHE-557(C) (AS)	CHE-553 (RS)	CHE-553 (RS)	Seminar/ Tutorials	CHE-552 (FP)
01.00 to 01.30	LUNCH BREAK					
<b>P R A C T I C A L S</b>						
01.30 to 05.00	-	Inorganic Practical (SF/AS)	Organic Practical (ZA/RS)	-	-	Physical Practical (AST/FP)

Dr. Iqbal N. Shaikh

**Head,**

Dept. of Chemistry

(Post-Graduate & Research Centre)

**AST** : Dr. Avinash Singh  
**SF** : Dr. Shaikh Faazil  
**RS** : Ms. Rukhsar Shaikh  
**AS** : Mrs. Almas Shaikh  
**FP** : Mrs. Farha Pathan

AKI's

# Poona College of Arts, Science & Commerce,

Camp, Pune-411001

Department of Computer Science

Time Table Year 2023-24


Class: F.Y.B.Sc. (Computer Science) Division A

W.e.f. Date: 15/01/2024

F.Y.B.Sc (CS) Division-A Practical Time Table						
Day / Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
11:00am to 02:00pm	CS-123 Practical on Adv. C & RDBMS (Batch-A1) (Mr. M. A. Quddus)	ELC-123 Electronics Lab (Batch-A2) (Mr. M. Mushtak)	MTC-123 Mathematics Practical (Batch-A2) (Mrs. Shaheen Khan)		MTC-123 Mathematics Practical (Batch-A1) (Mrs. Shaheen Khan)	ELC-123 Electronics Lab (Batch-A1) (Mr. Abul Qais)
Venue	CS Lab-I	Electronic Lab	CS Lab-I		CS Lab-I	Electronic Lab
11:00am To 02:00pm	CS-123 Practical on Adv. C & RDBMS (Batch-A2) (Mr. Imran Qureshi)	CSST-123 Statistics Practical (Batch-A1) (Mr. Vishal Gavali)			CSST-123 Statistics Practical (Batch-A2) (Mr. Vishal Gavali)	
Venue	CS Lab-II	CS Lab-II			CS Lab-II	


Batch A1: 8601 to 8644

Batch A2: 8645 to 8688

  
Dr. Shabana Shaikh  
Head

Department of Computer Science



  
Dr. Aftab Anwar Shaikh  
Principal  
Poona College, Pune

**PRINCIPAL**  
Poona College of Arts, Science & Commerce  
Camp, Pune-411001  
Principal Office





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# POONA COLLEGE OF ARTS, SCIENCE & COMMERCE

75  
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Amrit Mahotsav

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## Department of Computer Science and PG Centre


### Time Table Year 2023 - 2024


#### M. Sc. (Computer Science) - I (Semester - II)

Venue: PG Lab

Time	Mon	Tue	Wed	Thur	Fri	Sat
8:00 am - 9:00 am	DAA	MADT	FSD - I	MADT	FSD - I	PRACTICAL (DAA & FS - I)
9:00 am - 10:00 am	DAA	MADT	FSD - I	MADT	FSD - I	
10:00 am - 11:00 am	PRACTICAL (MADT)	DAA	-	SPM	SPM	
11:00 am - 12:00pm	PRACTICAL (MADT)	DAA	-	-	-	-

1. (CS-551-MJ) DAA - Design and Analysis of Algorithms - Dr. Reshma Kadam
2. (CS-552-MJ) MADT - Mobile App Development Technologies - Mr. Umer Hasan
3. (CS-553-MJ) SPM - Software Project Management - Mrs. Shabeena Khan
4. (CS-560-MJ) FSD - I - Full Stack Development - I - Dr. Reshma Kadam
5. (CS-554-MJP) - Lab course on CS-551-MJ - Dr. Reshma Kadam
6. (CS-555-MJP) - Lab course on CS-552-MJ - Mr. Umer Hasan
7. (CS-561-MJP) - Lab Course on CS-560-MJ - Dr. Reshma Kadam

  
Dr. Shabana N. Shaikh  
Head  
Department of Computer Science

  
Prof. (Dr.) Anwar Shaikh  
Principal  
Poona College, Pune



1970 - 2020

Anjuman Khairul Islam's

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## Department of Computer Science and PG Centre

### Time Table


Year 2023 - 2024


### M. Sc. (Computer Science) - I (Semester - II)

Venue: PG Lab

Time	Mon	Tue	Wed	Thur	Fri	Sat
8:00 am - 9:00 am	DAA	MADT	FSD - I	MADT	FSD - I	PRACTICAL (DAA & FS - I)
9:00 am - 10:00 am	DAA	MADT	FSD - I	MADT	FSD - I	
10:00 am - 11:00 am	PRACTICAL (MADT)	DAA	-	SPM	SPM	
11:00 am - 12:00pm	PRACTICAL (MADT)	DAA	-	-	-	

1. (CS-551-MJ) DAA - Design and Analysis of Algorithms - Dr. Reshma Kadam
2. (CS-552-MJ) MADT - Mobile App Development Technologies - Mr. Umer Hasan
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6. (CS-555-MJP) - Lab course on CS-552-MJ - Mr. Umer Hasan
7. (CS-561-MJP) - Lab Course on CS-560-MJ - Dr. Reshma Kadam

  
Dr. Shabana N. Shaikh  
Head  
Department of Computer Science

  
Prof. (Dr.) Anab Anwar Shaikh  
Principal  
Poona College, Pune

Y & M, Anjuman Khairul Islam's  
**POONA COLLEGE OF ART'S, SCIENCE & COMMERCE**  
**DEPARTMENT OF ZOOLOGY**  
**P. G. TIME - TABLE**

**2023-24**  
**1<sup>ST</sup> TERM**

**SEM-I**

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
10:00am-11:00am	MED ENTO. SF	CELL BIO SS	BIOSYST. RS	COMP EMBRYO. SS	----	----
11:00am-12:00noon	BIOSYST. RS	MED ENTO. SF	BIOCHEM. AP	COMP EMBRYO. SS	BIOCHEM. AP	CELL BIO SS (11:30-12:30)
12:30pm-4:30pm	PRAC ZOO MJ 514 SS	RES. METH. SA (12:30-1:30)	PRAC ZOO 507 MJP RS	PRAC ZOO 511 MJP AP	PRAC ZOO 506 MJP AP	F.W.Z. NM (12:30-1:30)
		RES. METH. SA (1:30-2:30)				F.W.Z. NM (1:30-2:30)

**SEM-III**

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
7:00am-10:00am	PROJECT	PROJECT	PROJECT	PROJECT	PROJECT	PROJECT
10:00am-11:00am	ANI.PHY.-I AP	ANI.PHY.-I AP	----	ECO. ZOO. NM	ECO. ZOO. NM	IMM. AP (10:30-11:30)
11:00am-12:00noon	ANI.PHY.-I AP	ANI.PHY.-I AP	INS. PHY. SS	IMM. AP	INS. PHY. SS	FUND. SYST. RS (11:30-12:30)
12:30pm-4:30pm	PRAC ZOUP 235 (M-I & M-II) AP	PRAC. ZODP-234 AP	PRAC ZOUP 235 (M-II & M-III) SS	FUND. SYST. RS (12:30-1:30)	----	RES. METH. SA (12:30-1:30)
						RES. METH. SA (1:30-2:30)
2:30pm-5:30pm	----	----	----	----	----	ECO. ZOO. NM (2:30-3:30)

S.N.	Assistant Professors	No. of lectures per week				Individual teachers no. of lectures/week
		U.G.		P.G.		
		Theory	Prac	Theory	Prac	
1.	Dr. MujeebShaikh (MJ)	06	12	--	--	18
2.	Dr. KalimShaikh (KS)	06	12	--	--	18
3.	Mr. Wasim I. Shaikh (WS)	06	14	--	--	20
4.	Dr. Shoeb Ahmad (SA)	06	12	04	--	22
5.	Mrs.AnjumPathan (AP)	--	--	08	16	24
6.	Ms. Shabista Shaikh (SS)	03	06	06	08	23
7.	Ms. Raniya Shaikh (RS)	03	14	04	04	25
8.	Ms. Shafiya Shaikh (SF)	06	18	02	--	26
9.	Mrs. Neelima Dias (NM)	--	--	05	--	05

  
**Dr. Mujeeb A. J. Shaikh**  
**Head, Department of Zoology**



Joint Director Higher Education Pune Region, Pune

Table B, Poona College of Arts, Science and Commerce, Workload Department of Economics 2023-2024

No of Papers							Details of Work Load												
Sr.No.	Subject	Class	No.of Stu.	No.of Div	Theory	Practical	No.of Lect.Prescribed for papers		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/CIED	Whether Teacher belongs to Reserve Category if so give details	Remark		
							Theory	Practical										9	10
1	Micro Economic Analysis	MA I	22	1	1		0		0			0	Dr. M. Shahid Jamal Ansari	6					
2	Public Finance	MA I	22	1	1		0		0			0	Dr. Gulsowaz Usmani	6					
3	International Economics	MA I	22	1	1		0		0			0	Dr. Vidyasagar Singaram	6					
4	Modern Banking	MA I	22	1	1		0		0			0	Mr. Milind Patil	18					
5	Research Methodology	MA I	22	1	1	1	0		0			0	Mr. Waseem Ahmed	12					
6	Agricultural Economics / Labour Economics	MA I	22	1	1		0		0			0	Ms. Amatullah Uzma	12					
7	Macro Economics	MA II	12	1	1		0		0			0							
8	Growth and Development	MA II	12	1	1		0		0			0							
9	Research Methodology	MA II	12	1	1	1	0		0			0							
10	Demography / Economics of Environment	MA II	12	1	1		0		0			0							
<b>TOTAL</b>												60							
												Total workload assigned		60					

  
Dr. M. Shahid J. Ansari  
HoD, Economics

**Head**  
Department of Economics  
Postgraduate & Research Centre  
Poona College of Arts, Science &  
Commerce, Camp, Pune - 1.



2023-2024

## 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		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	Remarks
					Theory	Practical	No of Lect Prescribed for papers	Total Periods of Lect. (Col. No. 5 * 6 * 8)								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	URDU	MA I	4	1	4		4	16	1			Dr. ABDULBARI	8	CHB	N/A	
2		MA II	8	1	4		4	16	1		32	Mrs. NOSRAT HASHEMI ZADEH	16	CHB	N/A	
												Dr. ABRAR AHMAD	8	CHB	N/A	
3		TYBA GEN.	38	1	1		4	4	1							
4		TYBA SPL	19	1	2		8	8	1							
5		SYBA GEN	31	1	1		4	4	1							
6		SYBA SPL	18	1	2		8	8	1							
7		FYBA	63	1	1		4	4	1			DR. ABDULBARI	16	FULL	N/A	
8		FYBCOM.	39	1	1		4	4	1		32	Dr. ABRAR AHMAD	16	FULL	N/A	
9	ARABIC	TYBA	28	1	1		4	4	1			KHAN MOINUDDIN	16	FULL	N/A	
10		SYBA	31	1	1		4	4	1							
11		FYBA	47	1	1		4	4	1							
12		FYB.COM	68	1	1		4	4	1		16					
13	PERSIAN	TYBA	9	1	1		4	4	1			JAWED AKHTAR	16	FULL	N/A	
14		SYBA	7	1	1		4	4	1							
15		FYBA	19	1	1		4	4	1							
16		FYB.COM	9	1	1		4	4	1		16					

for   
Head of the Department

**DEPARTMENTAL WORKLOAD 2023-24**

DEPARTMENT OF BOTANY: 2023-2024																
TABLE 'B'																
SN	Subject	Class	No. of Stu.	No. of Div	Theory	Practical	No. of Lect. Prescribed for papers	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/ CHB	Whether Teacher belongs to Reserve Category if so give details	Remark
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Botany	FY BSc	119	1	2	1	6	6	8	8x4=32	6+32=38	Dr. Sayyed Ilyas	21	Full time	NA	
												Dr. Rafik Shaikh	22	Full time	NA	
												Dr. Aafreen A. Ahmed	21	Full time	NA	
		SY BSc	101	1	2	1	6	6	9	9x4=36	6+36=42	Dr. Shafik Shaikh	22	Full time	NA	
		TY BSc	13	1	8	3	24	24	1	3x4=12	24+12=36	Ms. Nabila Shaikh	26	Part time	NA	
										<b>Total</b>	<b>116</b>		<b>112</b>			

*Shafik*

Dr. Shafik Shaikh  
I/C Head.

**HEAD**

**Department of Botany**

Poona College of Arts, Science & Commerce  
Camp, Pune-411001

AKI's

# POONA COLLEGE

of Arts, Science and Commerce

Camp, Pune-411001

## Department of ZOOLOGY

Date-31<sup>st</sup> July 2023

### Minutes of the Meeting

A consultative meeting of all the staff members of Zoology Department was held on Monday, 31<sup>st</sup> July 2023 at 12:10 pm in H.O.D. cabin under the chairmanship of Dr. Mujeeb A.J. Shaikh (H.O.D) with regards to the instructions given by Principal sir.

#### Agenda of Meeting:

1. To discuss & finalize the workload distribution of UG & PG.
2. To prepare departmental time table.
3. To conduct environmental, socio-economic, curricular, co-curricular & research activities in academic year 2023-2024.
4. Submission of student feedback forms.
5. Formation of departmental committee.
6. MOU's to be signed with Industry/ Educational Institute.
7. To organize FDP, Professional development, administrative training programs for teaching & non-teaching staff.
8. To organize scholarship awareness program for students.
9. Maintenance of students' progression report.
10. Establishment of Departmental Competitive Exams Guidance cell.
11. Establishment of Departmental Placement cell.
12. Association with Department Alumni.


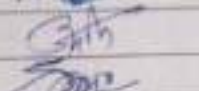
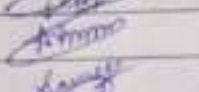
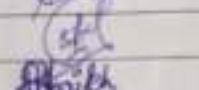
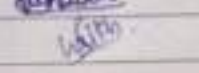
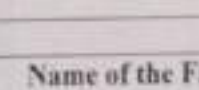
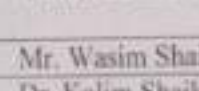
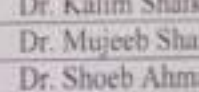
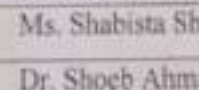
During the meeting consensus on following points were set -

1. Workload distributed among the staff.
2. Departmental time table prepared as per the prescribed syllabus & time availability of faculty.
3. It has been decided that 1<sup>st</sup> Term classes will commence from 1<sup>st</sup> August 2023 for U.G.
4. It was decided in the meeting to conduct Environmental, socio-economic, curricular, co-curricular & research activities in academic year 2023-2024.
5. Respective class coordinators were instructed to collect feedback forms from Dr. Shirin Shaikh.
6. NAAC criteria department committees were instructed to be continued for current year.




7. Faculties were advised to propose names of industries/educational institute so that MOU's can be signed with them.
8. FDP to be organized for teaching & non-teaching staff in current year.
9. Departmental Scholarship facilitation cell was established under, the coordination of Ms. Shabista Shaikh and co-coordinated by Ms. Raniya Shaikh.
10. Scholarship awareness program to be organized.
11. Students' progression report to be maintained by Mr. Wasim Shaikh.
12. Competitive Exam Guidance cell was established, under the coordination of Dr. Shoeb Ahmad and co-coordinated by Ms. Shabista Shaikh.
13. Departmental Placement cell was established, under the coordination of Dr. Mujeeb Shaikh and co-coordinated by Dr. Shoeb Ahmad.
14. Department Alumni association to be coordinated by Dr. Kalim Shaikh and co-coordinated by Mrs. Anjum Pathan.

Following members were present in the meeting

Sr.No.	Name of the Staff	Sign
1.	Dr. Mujeeb A.J. Shaikh (H.O.D.)	
2.	Dr. Kalim M. Shaikh	
3.	Mr. Wasim I. Shaikh	
4.	Dr. Shoeb Ahmad	
5.	Mrs. Anjum Pathan	
6.	Mrs. Sumeen Gazikhan	
7.	Ms. Shabista Shaikh	
8.	Ms. Raniya Shaikh	
9.	Ms. Shafiya Shaikh	

Workload Distribution			
Sr. No.	Class	Subjects	Name of the Faculty
1.	F.Y.B.Sc	ZO-111 Animal Diversity-I	Mr. Wasim Shaikh
2.		ZO-112 Animal Ecology	Dr. Kalim Shaikh
3.		ZO-231 Animal Diversity -III	Dr. Mujeeb Shaikh
4.	S.Y.B.Sc	ZO-232 Applied Zoology	Dr. Shoeb Ahmad
5.		ZO-351 Pest Management	Ms. Shabista Shaikh
6.	T.Y.B.Sc	ZO-352 Histology	Dr. Shoeb Ahmad
7.		ZO-353 Biological Chemistry	Dr. Mujeeb Shaikh
8.		ZO-354 Genetics	Mr. Wasim Shaikh
9.		ZO-355 Development Biology	Dr. Kalim Shaikh
10.		ZO-356 Parasitology	Ms. Shafiya Shaikh
11.		ZO-3510 Aquarium Management	Ms. Raniya Shaikh
12.		ZO-3511 Poultry Management	Ms. Shafiya Shaikh
13.			ZOO 501 MJ:Advanced Biochemistry

14.	M.Sc-I	ZOO 502 MJ: Advanced Biochemistry Cell Biology	Ms. Shabista Shaikh
15.		ZOO 503 MJ: Comparative Embryology	Ms. Shabista Shaikh
16.		ZOO 504 MJ: Medical Entomology	Ms. Shafiya Shaikh
		ZOO 505 MJ: Biosystematics & Biodiversity	Ms. Raniya Shaikh
		ZOO 510 MJ: Freshwater Zoology	Mrs. Neelima Dias
		ZOO 514 MJ: Research Methodology	Dr. Shoeb Ahmad
17.		M.Sc-II	ZOUT 231 Animal Physiology-I/
18.	ZOUT 232 Fundamentals of Systematics and Economic Zoology		Ms. Raniya Shaikh Mrs. Neelima Dias
19.	ZOUT 233 Research Methodology and Insect Physiology and Biochemistry		Dr. Shoeb Ahmad Ms. Shabista Shaikh
20.	ZODT 234 Immunology		Mrs. Anjum M. Pathan

  
**Dr. Mujeeb A.J. Shaikh**  
**Head**  
**Department of Zoology**

**Head**  
**Department of Zoology**  
 Poona College of Arts, Science  
 and Commerce, Camp-Pune-1

AKI's

# POONA COLLEGE

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Camp, Pune-411001









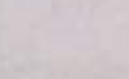
## Department of ZOOLOGY

Date-10<sup>th</sup> February 2023

### Minutes of the Meeting

A consultative meeting of all the staff members of Zoology Department was held on Friday, 10<sup>th</sup> February 2023 at 12.00 noon in H.O.D. cabin under the chairmanship of Dr. Mujeeb A.J. Shaikh (H.O.D).

Following members were present in the meeting:

Sr.No.	Name of the Staff	Sign
1.	Dr. Mujeeb A.J. Shaikh (H.O.D.)	
2.	Dr. Kalim M. Shaikh	
3.	Mr. Wasim I. Shaikh	
4.	Dr. Shoeb Ahmad	
5.	Mrs. Anjum M. Pathan	
6.	Mrs. Sameen Gazikhan	
7.	Ms. Shabista Shaikh	
8.	Ms. Raniya Shaikh	
9.	Ms. Shafiya Shaikh	

#### Agenda of Meeting:

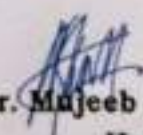
1. To discuss & finalize the workload distribution.
2. To prepare departmental time table.

During the meeting consensus on following points was set –

1. Workload distributed among the staff.
2. Departmental time table prepared as per the prescribed syllabus & time availability of faculty.
3. It has been decided that II<sup>nd</sup> Term classes will commence from 14<sup>th</sup> February 2023 for U.G & P.G.



Workload Distribution			
Sr. No.	Class	Subjects	Name of the Faculty
1.	F.Y.B.Sc	ZO-121 Animal Diversity-II	Mr. Wasim Shaikh
2.		ZO-122 Cell Biology	Dr. Kalim Shaikh
3.	S.Y.B.Sc	ZO-241 Animal Diversity -IV	Dr. Mujeeb Shaikh
4.		ZO-242 Applied Zoology-II	Dr. Shoeb Ahmad
5.	T.Y.B.Sc	ZO-361 Medical & Forensic Zoology	Mrs. Sameen Gazikhan
6.		ZO-362 Animal Physiology	Dr. Mujeeb Shaikh
7.		ZO-363 Molecular Biology	Mr. Wasim Shaikh
8.		ZO-364 Entomology	Dr. Kalim Shaikh
9.		ZO-365 Techniques in Biology	Ms. Raniya Shaikh
10.		ZO-366 Evolutionary Biology	Dr. Shoeb Ahmad
11.		ZO-3610 Environment Impact Assessment	Ms. Shafiya Shaikh
12.		M.Sc.-I	ZOO 551 MJ: Molecular Biology
13.	ZOO 552 MJ: Comparative Endocrinology		Mrs. Sameen Gazikhan
14.	ZOO 553 MJ: Comparative Animal Physiology		Ms. Shabista Shaikh
15.	ZOO 554 MJ: Biochemical Techniques		Ms. Shabista Shaikh
16.	ZOO 555 MJ: Integrated Pest Management		Mrs. Neelima Dias
17.	ZOO 560 MJ: Economic Zoology		Ms. Raniya Shaikh
18.	M.Sc.-II		ZOUT 241 Animal Physiology-II
19.		ZOUT 242 Mammalian Reproductive Physiology and Aquaculture	Ms. Shabista Shaikh Ms. Raniya Shaikh
20.		ZODT 243 Pest Control	Mrs. Sameen Gazikhan
21.		ZODT 244 Apiculture	Mrs. Anjum Pathan

  
**Dr. Mujeeb A.J. Shaikh**  
**Head**  
**Department of Zoology**

**Head**  
**Department of Zoology**  
 Poona College of Arts, Science  
 and Commerce, Camp-Pune-1

AKI'S  
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Camp, Pune-411001 (YEAR-2023-2024)  
INDIVIDUAL WORKLOAD  
Department of Economics, PG & Research Centre

Name of the Lecturer: - DR. MOHAMMAD SHAHID JAMAL ANSARI

Lecture Timing	*	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
7.30	P						
	C						
	H						
8.20	P	Microeconomics Spl-2	Microeconomics Spl-2	Microeconomics Spl-2	Industrial Economics	Industrial Economics	Industrial Economics
	C	SYBA	SYBA	SYBA	MCom	MCom	MCom
	H	27	27	27	22	22	22
9.10	P	Banking, Finance & Insurance-II	Banking, Finance & Insurance-II	Banking, Finance & Insurance-II	International Economics SPL-3	International Economics SPL-3	International Economics SPL-3
	C	TYBCom	TYBCom	TYBCom	TYBA	TYBA	TYBA
	H	43	43	43	23	23	23
10-11	P				Research Methodology	Research Methodology	Research Methodology
	C				MA-II	MA-II	MA-II
	H				Online	Online	Online
11.40	P						
	C						
	H						
Timing Available on the Campus		8.20 am to 02.20pm					

\*P- Paper/Subject

C-Class/Division

H-Hall No.

Sign. Of the Lecturer

Head of Dept.

Principal

**Head**  
Department of Economics  
Postgraduate & Research Centre  
Poona College of Arts, Science &  
Commerce, Camp, Pune - 1.

AKI'S  
POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE  
Camp, Pune-411001 (YEAR- 2023-2024)  
INDIVIDUAL WORKLOAD

Name of the Lecturer: - DR. MOHAMMAD SHAHID JAMAL ANSARI

Class/ Division	Subject/Paper	No. of Students	No. of Lectures	Remarks
<b>Theory:</b>				
SYBA	Microeconomics	44	04	
TYBA	International Economics	45	04	
TYBCOM	Banking, Finance & Insurance	139	04	
MA II	Research Methodology	22	06	
MCOM II	Industrial Economics	67	06	
<b>Practicals:</b>				
<b>Remission:</b>				

PG per paper workload=06\*

Total Workload per week: 24

  
Sign. Of the Lecturer

  
Head of Dept.

Principal

**Head**  
Department of Economics  
Postgraduate & Research Centre  
Poona College of Arts, Science &  
Commerce, Camp, Pune-1



AKI'S  
POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE  
Camp, Pune-411001 (YEAR-2023-2024)  
INDIVIDUAL WORKLOAD

**Department of Political Science**

Name of the Lecturer: - DR. AHMAD SHAMSHAD

Lecture Timing	*	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
7.30	P				Pol. Sc. G-1(A)	Pol. Sc. G-1(A)	Pol. Sc. G-1(A)
	C				FYBA	FYBA	FYBA
	H				28	28	28
8.20	P				Pol.Thought Spl-1	Pol.Thought Spl-1	Pol.Thought Spl-1
	C				SYBA	SYBA	SYBA
	H				38	38	38
9.10	P	SPL-3	SPL-3	SPL-3			
	C	TYBA	TYBA	TYBA			
	H	23	23	23			
10	P	G-3	G-3	G-3			
	C	TYBA	TYBA	TYBA			
	H	23	23	23			
11.40	P						
	C						
	H						
Timing Available on the Campus	7.30, am to 01.30, pm						

**\*P- Paper/Subject**

**C-Class/Division**

**H-Hall No.**

*Ahmad Shamsad.*

**Sign. Of the Lecturer**

*Ahmad Shamsad.*

**Head of Dept.**



**Principal**



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Pune - 411001. (MS), India



+91-20-2645 4240 / 2644 6319.



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principal@poonacollege.edu.in

**Professor (Dr.) Aftab Anwar Shaikh**

M.Com, Ph.D (Busi. Admin.)

PRINCIPAL



+91 98226 21579



dranwarshaikh@gmail.com

## INDIVIDUAL WORKLOAD


Academic Year: 2023 – 24 (First Term)

Name of the Teacher: DR. AVINASH SINGH THOUNAOJAM

Lecture Timing	*	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.00 am to 10.50 am	P				Physical Chemistry	Physical Chemistry	Physical Chemistry
	C				T.Y.B.Sc.	T.Y.B.Sc.	T.Y.B.Sc.
	H				12	12	12
10.50 am to 11.40 am	P	Physical Chemistry	Physical Chemistry	Physical Chemistry			
	C	F.Y.B.Sc.	F.Y.B.Sc.	F.Y.B.Sc.			
	H	26	26	26			
011.40 am to 12.30 pm	P				Chemistry Paper I	Chemistry Paper I	Chemistry Paper I
	C				S.Y.B.Sc.	S.Y.B.Sc.	S.Y.B.Sc.
	H				28	28	28
01.00 pm to 02.00 pm	P	Physical Chemistry	Physical Chemistry	Physical Chemistry			
	C	M.Sc.-I	M.Sc.-I	M.Sc.-I			
	H	Seminar Hall	Seminar Hall	Seminar Hall			
01.00 pm to 05.00 pm	P				Practical	Practical	Physical Chem Prac
	C				S.Y.B.Sc.	T.Y.B.Sc.	M.Sc.-I
	H				Chem Lab	Chem Lab	Chem. Lab
Timing available in the Campus		09.00 am to 03.00 pm	09.00 am to 03.00 pm	09.00 am to 03.00 pm	10.00 am to 05.00 pm	09.00 am to 05.00 pm	09.00 am to 05.00 pm

  
Head of Department

  
Principal

  
Signature of Asst. Prof.

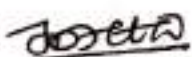
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Department of Physics

INDIVIDUAL WORKLOAD for Semester: 3/5 of Academic Year: 2023-24

Name of the Lecturer: Dr. Fakir Mohammad Attar

Class/Division	Subject/Paper	No. of Students	No. of Lectures	Remarks
<b>Theory</b>				
S.Y. B.Sc.	PHY-232 A : Electronics I	25	3	
T.Y. B.Sc.	PHY-351: Mathematical Methods in Physics II	20	3	
T.Y. B.Sc.	PHY-364: Atomic & Molecular Physics	20	3	
T.Y. B.Sc.	PHY-364: Energy Studies	20	3	
<b>Practicals</b>				
S.Y. B.Sc.	PHY-233: Physics Laboratory 2A	30	4*2=8	Two Batches
T.Y. B.Sc.	PHY-357: Physics Laboratory 3A	20	4	
T.Y. B.Sc.	PHY-359: Physics Project- I	20	4	
<b>Remission</b>				
<b>Total Workload Per Week</b>			<b>28</b>	

  
Signature of the Lecturer

  
Head of Department  
Head Department  
Poona College of Arts, Sci. & Commerce  
Camp, Poona - 411 001.

Principal



# AKI's Poona College of Arts, Science, and Commerce Camp, Pune-411001

## Department of Physics

INDIVIDUAL WORKLOAD for Semester: 3/5 of Academic Year: 2023-24

Name of the Lecturer: Dr. Fakir Mohammad Attar

Lecture Timing		Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9:10 AM - 10:00 AM	Paper	PHY-241			PHY-232	PHY-232	PHY-232
	Class	S.Y. B.Sc.			S.Y. B.Sc.	S.Y. B.Sc.	S.Y. B.Sc.
	Hall	13			13	13	13
10:00 AM - 10:50 AM	Paper	PHY-351				PHY-354	
	Class	T.Y. B.Sc.				T.Y. B.Sc.	
	Hall	Physics Lab.				Physics Lab.	
10:50 AM - 11:40 AM	Paper						PHY-3510 H
	Class						T.Y. B.Sc.
	Hall						Physics Lab.
11:40 AM - 12:30 PM	Paper	PHY-351	PHY-351	PHY-354	PHY-354		
	Class	T.Y. B.Sc.	T.Y. B.Sc.	T.Y. B.Sc.	T.Y. B.Sc.		
	Hall	Physics Lab.	Physics Lab.	Physics Lab.	Physics Lab.		
12:30 PM - 1:20 PM	Paper					PHY-3510 H	PHY-3510 H
	Class					T.Y. B.Sc.	T.Y. B.Sc.
	Hall					Physics Lab.	Physics Lab.
2:10 PM - 6:20 PM	Paper		PHY-233	PHY-233	PHY-359	PHY-357	
	Class		T.Y. B.Sc.	T.Y. B.Sc.	T.Y. B.Sc.	T.Y. B.Sc.	
	Hall		Physics Lab.	Physics Lab.	Physics Lab.	Physics Lab.	
Timing Available		9:30 AM to 4:00 PM	10:30 AM to 6:30 PM	10:30 AM to 6:30 PM	9:00 AM to 6:30 PM	9:00 AM to 6:30 PM	9:00 AM to 3:00 PM

  
Signature of the Lecturer

  
Head of Department  
Head Department of Physics  
Poona College of Arts, Sci. & Comm.  
Camp, Poona - 411 001.

**AKI'S**  
**POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE**  
**LECTURE/TEACHING PLAN**  
**(SEMESTER - 1) CBCS**  
**ACADEMIC YEAR-2023-2024**

Name of the Teacher: - Dr. Ahmad Shamshad

Department: - Political Science      Class: -FYBA

Division: - A

Subject/ Paper: -Introduction to Indian Constitution

Month & Year	Teaching Days Available	Topic/ Subject to be taught	Lectures Required
July, 2023	06	Making of the Indian Constitution a) Historical Background	06
August, 2023	15	a) Constituent Assembly b) Preamble c) Salient Features d) Fundamental Rights	15
September, 2023	12	a) Fundamental Rights, Duties and Directive Principles b) Fundamental Duties c) Directive Principles of State Policy	12
October, 2023	12	Federalism a) Salient Features of Indian Federalism b) Centre –State Relations c) Issues of Conflict (Water and Border Issues) d) Constitutional Provisions e) Major Constitutional Amendments (42, 44 & 86)	12
November, 2023	03	Constitutional Amendments: Scope and Limitations a) Basic Structure of the Indian Constitution	05

*Ahmad Shamshad.*

Signature of Teacher

*Ahmad Shamshad.*

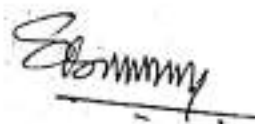
Signature of H.O.D.





		6.3 Metabolic changes during seed germination 6.4 Role of phytohormones to improve seed germination 6.5 Vigor Index 7. Physiology of flowering	01
October 2023	05	7.1 Photoperiodism – Concept, definition, short day plants, long day plants and day neutral plants. 7.2 Phytochrome theory, role of phytohormones in induction and inhibition of flowering 7.3 Applications of photoperiodism 7.4 Vernalization–concept and definition, mechanism of vernalisation, applications of vernalisation and devernialization	05
November 2023		<b>University examination</b>	

  
Signature of teacher


  
Signature of HOD (I/C)  
**HEAD**  
**Department of Botany**  
**Dona College of Arts, Science & Commerce**  
**Camp, Pune-411061**

**AKI'S**  
**POONA COLLEGE OF ARTS, SCIENCE & COMMERCE,**  
**Camp, Pune - 411001**  
**LECTURE/ TEACHING PLAN**  
**FIRST TERM/SEMESTER**  
**Academic year 2023 - 2024**

Name of the Teacher : Dr. Aafreen Abrar Ahmed  
 Department : Botany Class: T. Y. B.Sc Division: ...  
 Subject/ Paper : Plant Diversity and Human Health (Paper XI)

Month & Year	Teaching Days Available	Topic / Subject to be taught	Lectures Required
June 2023	3	Plant diversity and its scope- Genetic diversity, Species diversity, Plant diversity at the ecosystem level	03
July 2023	11	Agrobiodiversity and cultivated plant taxa, wild taxa. Values and uses of Biodiversity: Ethical and aesthetic values, Precautionary principle, Methodologies for valuation, Uses of plants, Uses of microbes.	06
		Loss of Biodiversity: Loss of genetic diversity, Loss of species diversity, Loss of ecosystem diversity	05
August 2023	11	Loss of agrobiodiversity, Projected scenario for biodiversity loss, Management of Plant Biodiversity: Organizations associated with biodiversity management-Methodology for execution-IUCN, UNEP, UNESCO, WWF, NBPGR; Biodiversity legislation and conservations	07
		Conservation of Biodiversity: Conservation of genetic diversity, species diversity and ecosystem diversity, In situ and ex situ conservation, Social approaches to conservation,	05
September 2023	09	Biodiversity awareness programmes, Sustainable development.	02
		Role of plants in relation to Human Welfare; a) Importance of forestry their utilization and commercial aspects b) Avenue trees, c) Ornamental plants of India. d) Alcoholic beverages through ages. Fruits and nuts: Important fruit crops their commercial importance. Wood and its uses.	07
October 2023	05	Revision	05
November 2023		University examination	

  
 Signature of teacher

  
 Signature of HOD (I/C)

**HEAD**  
**Department of Botany**  
**Poona College of Arts, Science & Commerce**  
**Camp, Pune-411001**



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PRINCIPAL



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dranwarshaikh@gmail.com

## LECTURE PLAN (Semester – VI)

Name of the Teacher : Dr. Iqbal N. Shaikh  
Class : T.Y.B.Sc.  
Subject : CHEMISTRY PAPER I  
Paper : ORGANIC CHEMISTRY (CH-607)

Month & Year	Lectures Available	Topic / Subtopic to be taught	Lectures Required
January 2024	09	<b>1.Introduction to Spectroscopy</b> Introduction, meaning of spectroscopy, Types of spectroscopy, nature of electromagnetic radiation and regions of electromagnetic spectrum, Terms used in spectroscopy; wavelength, amplitude, frequency, wavenumber, energy and their relations and conversions. <b>2. Ultra Violet and Visible Spectroscopy:</b> Introduction, Electromagnetic radiations, electronic transitions, $\lambda_{max}$ & $\epsilon_{max}$ , chromophore, auxochrome, bathochromic and hypsochromic shifts, Application of visible, ultraviolet spectroscopy in organic molecules. Application of electronic spectroscopy and Woodward rules for calculating $\lambda_{max}$ of conjugated dienes and $\alpha$ , $\beta$ – unsaturated compounds.	09
February 2024	18	<b>1.Infra-Red Spectroscopy:</b> Introduction, Infrared radiation and types of molecular vibrations, functional group and fingerprint region. Infra-red spectroscopy in organic molecules, IR spectra of alkanes, alkenes and simple alcohols (inter and intramolecular hydrogen bonding), aldehydes, ketones, carboxylic acids and their derivatives (effect of substitution on $>C=O$ stretching absorptions).	08





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[principal@poonacollege.edu.in](mailto:principal@poonacollege.edu.in)

**Professor (Dr.) Aftab Anwar Shaikh**

M.Com, Ph.D (Busi. Admin.)

**PRINCIPAL**



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[dranwarshaikh@gmail.com](mailto:dranwarshaikh@gmail.com)

		<b>4: Nuclear Magnetic Resonance Spectroscopy (PMR):</b> Introduction, Principles, Magnetic and nonmagnetic nuclei, nuclear resonance, chemical shift, shielding, & deshielding effect. Measurement of chemical shift, TMS as reference and its advantages, peak area, integration, spin-spin coupling, coupling constants, J-value, problems based on NMR.	10
March 2024	09	<b>5: Combined problems based on U.V., I.R. and PMR spectroscopy.</b> <b>6. Stereochemistry of Disubstituted Cyclohexane and Decalin :</b> Recapitulation, Geometrical and optical isomerism of 1, 3- dimethyl and 1, 4-dimethyl cyclohexane with their stability and energy calculations. Conformations of decalin and their stability.	09

Signature of Associate Professor

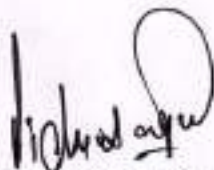
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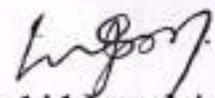
**DEPARTMENT OF ECONOMICS**

**COURSE COMPLETION REPORT**  
ACADEMIC YEAR 2023 – 2024

This is to certify that I, the undersigned, have completed the following courses assigned to me during the **First Term** for the academic year 2023 – 2024.

Sr. No.	Name of the Course	Class	Division
1	Business Economics	FYBCom	
2	Indian Economic Development	TYBA	
3	Business Economics	SYBCom	A & C
4	Banking and Finance III	TYBCom	-
5	Macro – Economic Analysis	MA II	-

  
**Dr. Vidyasagar Singaram**  
Assistant Professor

  
**Dr. Shahid Jamal Ansari**  
Head  
Department of Economics

**Head**  
Department of Economics  
Postgraduate & Research Centre  
Poona College of Arts, Science &  
Commerce, Camp, Pune - 1.

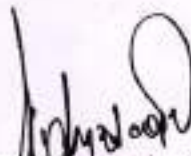
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POONA COLLEGE OF ARTS, SCIENCE & COMMERCE


**DEPARTMENT OF ECONOMICS**

**COURSE COMPLETION REPORT**  
ACADEMIC YEAR 2023 – 2024

This is to certify that I, the undersigned, have completed the following courses assigned to me during the **Second Term** for the academic year **2023 – 2024**.

Sr. No.	Name of the Course	Class	Division
1	Business Economics	FYBCom	
2	Indian Economic Development	TYBA	
3	Business Economics	SYBCom	A & C
4	Banking and Finance III	TYBCom	-
5	Macro – Economic Analysis	MA II	-

  
**Dr. Vidyasagar Singaram**  
Assistant Professor

  
**Dr. Shahid Jamal Ansari**  
Head  
Department of Economics

**Head**  
Department of Economics  
Postgraduate & Research Centre  
Poona College of Arts, Science &  
Commerce, Camp, Pune - 1.



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Poona College of Arts, Science & Commerce  
Camp, Pune – 411 001  
(Faculty of Arts, Science & Commerce)**

**Course Completion Certificate**

First Term/ First Semester/ Second Term/ Second Semester

Academic Year – 2023 -2024

Name of the Teacher: 1. Dr. Ahmad Shamshad  
2. Dr. Mukhtar Shaikh

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

Sr. No.	Class	Division	Subject Taught	Signature
1.	FYBA	A	Introduction to Indian Constitution	
2.	SYBA	A+B	Introduction to Political Science	
3.	SYBA	A+B	Western Political Thought	
4.	SYBA	A+B	Political Journalism	
5.	TYBA	A+B	Modern Political Analysis	
6.	TYBA	A+B	Public Administration	
7.	TYBA	A+B	International Relations	

*Ahmad Shamshad.*



Signature of the Teacher

*Ahmad Shamshad.*

H.O.D.



Principal

AKI's

Poona College of Arts, Science and Commerce


Department of Commerce Post Graduate & Research Centre


Course Completion Certificate:2023-2024

Name of the Staff Member: Dr. Mohammed Fazil Shareef Term-I

Sr. No.	Class & Div	Subject	Remark
1.	S.Y.B. Com – A	Business Communication-I	Completed
2.	S.Y.B. Com – B	Business Communication-I	Completed
3.	S.Y.B. Com – C	Business Communication-I	Completed
4.	S.Y.B. Com – D	Business Communication-I	Completed
5.	F.Y.B. Com – B	Marketing& Salesmanship -I	Completed

Date: 31/10/2023

  
Signature of the Staff Member

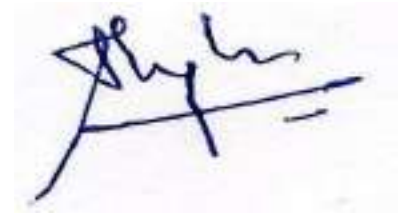
  
Sign of H.O.D

  
Sign of Principal

**AKI's**  
**Poona College of Arts, Science and Commerce**  
**BBA**  
**Course Completion Certificate – 2023-24 Term I**

**Name of the Staff Member: Aqueel Bajajwala**

<b>Sr. No.</b>	<b>Class &amp; Div</b>	<b>Subject</b>	<b>Remark</b>
1.	FY BBA Sem I	Business Accounting	Completed
2.	FY BBA Sem I	Business Mathematics	Completed
3.	FY BCA SEM I	Financial accounting	completed
4.	SY BBA Sem IV	Management Accounting	Completed
5.	TY BBA Sem VI	Long Term Finance	Completed
6.	TY BBA Sem VI	Analysis of Financial Statement	Completed
7.	TY BBA Sem VI	Business Law	Completed



AQUEEL BAJAJWALA





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## **Department of Botany**

### Departmental Library

The department of Botany has departmental library having various reference and text books.

The lists of books available as in academic year **2023-24** are as follows:

<b>Sr. No.</b>	<b>Title of the book</b>	<b>Author/s</b>	<b>Number of Copies</b>
1	Botany for degree students Algae	B.R. Vashishta	05
2	Algae	G.L. Chopra	01
3	Botany for degree students Gymnosperm	P.C. Vashishta	01
4	A text book of Botany Vol-1	Saxena & Sarabhai	01
5	Botany for degree Students Bryophyta	B.R. Vashishta	01
6	Practical Manual of Bryophyta	S. Sundara Rajan	01
7	Introductory Mycology (II Edition)	Alexopoulos	01
8	Plant Anatomy	R.C. Grewal	01
9	Morphology & Anatomy (FY B.Sc. P-I) II Term	Dr. B.A. Patil	01
10	Outlines of Microtechniques	M.K. Prasad	01
11	Plant Biotechnology (SY B.Sc. P-I) II Term	Dr. K.N. Dhumal	01
12	Advances in Biotechnology	S.N. Jogdand	01
13	Plant Biotechnology	Dr. D.N. Khairnar	01
14	Plant Biotechnology	Dr. S.D. Pingle	03
15	Plant biotechnology (S.Y.B.Sc.) P-I, Sem II	Dr. B.A. Patil	02
16	A text book of Botany Biotechnology (S.Y.B.Sc., P-I) Sem II	Dr. S.D. Pingale	01
17	Fundamental of Plant Biotechnology	Dr. Hema Sane	01

18	Botany Cytology (Sem- I)	Mujawar S.B	01
19	Cell Biology and Environmental Biology	Dr. S.N. Pathan	01
20	Fundamental of Cytology	Lester w. sharp	01
21	A text book of Botany FY B.Sc. Paper-II	Dr. M.R. Khan	01
22	Poona College library Poona-I Text book	R.D. Nandurkar	01
23	Text Book on fundamental of botany Vol- II	R.K. Kar	01
24	Objective botany	Dr. A.K. Sharma	01
25	College Botany Vol-II	S. Sundara Rajan	01
26	College Botany Vol-III	S. Sundara Rajan	01
27	A Text Book of Higher Cryptogams SY B.Sc. Botany, P-I (Revised June-1993)	Dr. D.R. Mahajan	01
28	Botany FY B.Sc. Part-II P-I, Section II Cryptogams (Bryophyta and Pteridophyta)	J.K. Shah	01
29	Text book Of Botany (Diversity of microbes and cryptogams)	Singh, Pande, Jain	01
30	A Text Book of Spermatophyta SY B.Sc Botany Paper-II revised June -1993	Prof. G.M. Acharya	01
31	A Text book of Botany (SY B.Sc. P-I, term –I) Taxonomy of Angiosperms	Dr. T. N. More	01
32	Taxonomy of Angiosperms (SY B.Sc, P-I, Term –I)	S.D. Bhagwal	02
33	Taxonomy of Angiosperms (SY B.Sc. P-I)	Dr. S.D Pingle	01
34	A text Book of Botany Gymnosperms	J.K. Shah	01
35	Taxonomy of Angiosperms SY B.Sc. Sem-I (New Syllabus 2003)	Dr. B.A. Patil	01
36	Phytochemistry SY B.Sc. Botany (Revised) Paper -I Term -I	Dr. S.N. Pathan	01
37	Idol (Botany) Molecular Biology TY B.Sc. Sem-III	Prof. Ashwini Soman	01
38	A text Book of Botany plant Physiology (SY B.Sc., Sem -II, P-II)	Dr. K.N. Dhumal	01
39	Horticulture (SY B.Sc.) Term -I (P-II)	D.S. Bhagwat	01
40	Pragati (Question Answers) FY B.Sc., Paper -I	Prof. Kulkarni	01
41	Botany for Degree Students Course –I: Diversity of Microbes and cryptogams Course –II: Cell Biology and	Dr. B. R. Pandey	01

	Genetics		
42	Fundamentals of Botany FY B.Sc. (Term -I Paper –I)	S.D. Bhagwat	02
43	Morphology and Anatomy FY B.Sc. (Paper-I Term –II)	Dr. K.N. Dhumal	01
44	Plant Resources Managements & Utilization FY. B.Sc. (Term-II, Paper –II)	Dr. B.A Patil	01
45	Morphology & Anatomy FY B.Sc. (Paper –I, Sem-II)	Dr. K.N. Dhumal	01
46	Plant Diversity & Plant Resources Management & Utilization FY B.Sc. (Paper -I & II, Term –II)	Dr. K. N. Dhumal	01
47	Plant Diversity Part -II FY B.Sc. (Term -II , Paper –I)	Dr. K.N. Dhumal	01
48	Applied Botany FY B.Sc. Paper -II (Term -II)	Dr. K.N. Dhumal	01
49	Fundamentals of Botany FY B.Sc. (P-I, Term -I & II)	Dr. Rekha Gupta	01
50	Plant Resources Managements & Utilization FY B.Sc., (P-II, Term –II)	Dr. B.A. Patil	02
51	Applied Botany FY B.Sc. (Paper –II, Term -II)	Dr. B.A. Patil	01
52	Plant Diversity & Plants and Human Botany Paper -II	Dr. K.N. Dhumal	01
53	Fundamentals of Botany FY B.Sc. Term –II Plants and Human Welfare	S.D. Bhagwat	01
54	Fundamental Botany (Plant Diversity) FY B.Sc.( P-I, Term –I)	Dr. K.N. Dhumal	01
55	Applied Botany FY B.Sc. (Paper –II, Sem-II)	Prof. R.N. Zaware	01
56	Plant Diversity FY B.Sc. (Term -II, Paper –I)	Dr. B.A. Patil	01
57	Studies in Botany	Mitra Guha	02
58	A text Book of Botany SY B.Sc. (Sem- IV)	Dr. D.D. Wani	01
59	A text Book of Applied Botany SY B.Sc. P-II	Prof. A.B. Kulkarni	01
60	Idol Botany -I (Taxonomy of Angiosperms and plant community SY B.Sc. (Sem -II)	Dr. Prema Johari	01
61	A text Book of Botany Plant Physiology SY BSc (Sem -II, P-II)	Dr. K.N. Dhumal	01
62	Structural Botany	Dr. Sane	01



63	Structural Botany Anatomy Embryology & Palynology SY B.Sc.(Sem -II, P-I)	Dr. T.N. More	02
64	A text Book of Applied Botany SY B.Sc. (Term -II, P-II)	J.K. Shah	01
65	The Embryology of Angiosperms	S.S. Bhojwani	01
66	Plant Anatomy and Embryology	S. Sundara Rajan	01
67	A Text Book of Botany Vol-III	Arjun Kishore S.	01
68	A Text Book of Fungi	G.L. Chopra	01
69	A Text Book of Genetics	H.S. Bhamrah	01
70	A Text Book of Genetics	Dr. B.K. Jain	01
71	Plant Breeding and Biometry	Dr. Dipak Kumar	01
72	Genetics	P. K. Gupta	01
73	Genetics Plant Breeding & Evolution	P. L. Kochhar	01
74	Botany (For FY B.Sc. Sem-III)	Dr. Mujumdar S.B	01
75	A Text Book of Genetics (FY B.Sc. Sem-III)	Prin. Dr. Kishor P.	01
76	Elements of Paleobotany	Dr. K. A. Siddiqui	01
77	Genetics and Evolution	Srinivasula B.V.	01
78	Biological Chemistry	Dr. B.M. Deoray	01
79	Plant Physiology	R.C. Grewal	01
80	A text Book of Botany plant Physiology SY B.Sc. (P-III, Term –II)	Prof. B.N. Zaware	01
81	Plant Cell Structure and Metabolism	J.L. Hall	01
82	Plant Physiology SY B.Sc. (Sem-II, P-II)	Dr. B.A. Patil	01
83	Plant Physiology SY B.Sc. (Sem-II, P-I)	Dr. S.D. Pingle	01
84	A Text Book of Biochemistry	A.V.S.S. Rama Rao	01
85	Introduction of plant Physiology	J.G. Vidiya	01
86	Dictionary of Botany	D.S. Paul	01
87	Plant Viruses	Kenneth Smith	01
88	Lowsons Botany	E.W. Simon	01
89	Science In Modern Life (Vol- VI)	James Weir French	02
90	Plant Ecology Genetics & Evolution	P.L. Kochhar	01
91	Concepts of Ecology (IV- Edition)	Edward J. Kormondy	01
92	Environmental Chemistry (III-Edition for B.Sc.)	Anil Kumar De	01
93	Plant Ecology Genetics & Evolution	R.S. Shukla	01

94	Plant Ecology FYBSC (P-I, Sem-II)	Prof. M.V. Deore	01
95	Fundamental of Plant Systematics and plant Ecology SY B.Sc. (Sem-I, P-I)	Dr. T.N. More	01
96	College Botany Practical (Vol-I)	S.C. Santra	01
97	A Text Book of Practical Botany (Vol-I)	Bendre and Kumar	01
98	Practical Botany Vol-I	S.C. Santra	01
99	Practical Botany Vol-II	S.C. Santra	01
100	Practical Manual of Algae	Dr. S. Sundara Rajan	01
101	Advanced Plant Taxonomy	A.K. Mondal	01
102	A Text Book of Botany Vol-III	A.E. Saxena	01
103	Crop Cultivation Management Rotation & Improvement	Dr. S.B. Mujumdar	01
104	Genetics and Evolution	A P Jha	01
105	Concepts of Ecology, 4 <sup>th</sup> edition	Edward J. Kormondy	01
106	Basics of Environmental Science	Abhijit Mitra, Tanmay Ray Chaudhuri	01
107	Plant Ecology	R. Kumar	01
108	Plant Morphology, Anatomy and Ecology	KN Dhumal, TN More, SS Deokule	01
109	Fundamentals of Ecology	MC Dash	01
110	Fundamentals of Botany	TN More, KN Dhumal, HS Patil, BN Zaware, SS Gadekar, AD More, BP Shinde, KS Bhosale	01
111	Plant Ecology and Biodiversity	CS Arsule, DK Aher, DP Shimpi, BS Gaikwad	01

*S. Sonamny*

**I/C Head,  
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## Department of Chemistry

### List of Books

Sr. No	Acc. No.	Author	Title
1	58440	Bahl, A	Essentials of physical chemistry
2	58443	Banwell, C	Fundamentals of molecular spectroscopic
3	58444	Banwell, C	Fundamentals of molecular spectroscopic
4	58445	Roy, BN	Fundamentals of classical and statistical thermodynamics
5	58450	Carrithers, W	Moern methods of organic synthesis
6	58454	Cotton, FA	Advanced inorganic chemistry
7	58455	Cotton, FA	Advanced inorganic chemistry
8	58457	Cotton, FA	Chemical applications of group theory
9	58458	Cotton, FA	Chemical applications of group theory
10	58459	Cotton, FA	Chemical applications of group theory
11	58460	Carey, F	Advanced organic chemistry Part A Structures and mechanisms
12	58461	Carey, F	Advanced organic chemistry Part I Structure and mechanisms
13	58464	Goldberg, D	3000 solved problems in chemistry
14	58465	-	-
15	58466	Goldberg, D	3000 solved problems in chemistry
16	58467	Gopalan, R	Concise coordination chemistry
17	58470	Brahmachari	Organic chemistry through solved problems
18	58471	Brahmachari	Organic chemistry through solved problems
19	58472	Brahmachari	Organic chemistry through solved problems
20	58474	March, J	Advanced organic chemistry
21	58476	Scheck, F	Mechanics from Newtons law to Deterministic chaos
22	58477	Gross J	Mass spectroscopy
23	58482	Pavia, D	Spectroscopy
24	58483	Pavia, D	Spectroscopy
25	58484	Pavia, D	Spectroscopy
26	58486	Silverstein, R	Spectrometric Identification of organic compound
27	58487	Silverstein, R	Spectrometric Identical of organic compound
28	58488	Silverstein, R	Spectrometric Identification of organic compound



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29	58492	Skoog , D	Analytical chemistry
30	58494	Solomons, TW	Study guide and solutions manual of accompanying organic chemistry
31	58495	Solomons, TW	Study guide and solutions manual of accompanying organic chemistry
32	58496	Solomons,G	Study guide and solutions manual of organic chemistry
33	58497	Solomons, TW	Organic chemistry
34	58498	Solomons, TW	Organic chemistry
35	58499	Solomons, TW	Organic chemistry
36	58501	Arnikar	Nuclear chemistry through problems
37	58502	Arnikar, H	Nuclear chemistry through problems
38	58503	Bansal, R	Laboratory manual of organic chemistry
39	58504	Bansal	Laboratory manual of organic chemistry
40	58506	Bansal, R	Organic reactions and mechanisms
41	58507	Bansal	Organic chemistry problems and solutions
42	58508	Bansal, R	Organic chemistry problems and solutions
43	58513	Kalsi, PS	Biorganic ,Bioinorganic and supramolecular chemistry
44	58514	Kalsi, PS	Organic reactions and their mechanisms
45	58515	Kalsi, PS	Organic reactions and their mechanisms
46	58518	Kalsi	Organic reactions and their mechanisms
47	58519	Kalsi, PS	Organic reactions ,Stereochemistry and mechanisms
48	58520	Kalsi, PS	Organic reactions Stereochemistry and their mechanisms
49	58522	Kalsi, PS	Organic reactions Stereochemistry and their mechanisms
50	58525	Kalsi, PS	Spectroscopy of organic compounds
51	58529	Kalsi, PS	Stereochemistry , conformation and mechanism
52	58530	Kalsi, PS	Stereochemistry, conformation and Mechanism
53	58531	Kalsi, PS	Stereochemistry,conformation and Mechanism
54	58533	Kalsi, PS	Stereochemistry,conformation and Mechanism
55	58534	Mukherji	Organic chemistry Vol-1
56	58535	Mukherji	Organic chemistry Vol-1
57	58536	Mukherji	Organic chemistry Vol-1
58	58538		
59	58539	Khopkar	Basic concepts of Analytical chemistry
60	58541	Nadendla	Principals of organic medicinal chemistry
61	58542	Nadendla	Principals of organic medicinal chemistry
62	58543	Narain RP	Mechanisms in Advanced organic chemistry
63	58544	Narain RP	Mechanisms in Advanced organic chemistry





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64	58545	Narain RP	
65	58546	Nasipuri, D	Stereochemistry of organic compounds
66	58547	Nasipuri, D	Stereochemistry of organic compounds
67	58548	Nasipuri, D	Stereochemistry of organic compound
68	58550	Shrivastava	Organic chemistry made simple
69	58551	Shrivastava	Organic chemistry made simple
70	58552	Reddy	Bioinorganic Chemistry
71	58553	Reddy, H	Bioinorganic Chemistry
72	58594	Silverstein, R	Spectrometric Identical of organic compound
73	58596	Bhattacharya	Group theory and its chemical applications
74	58597	Gould, E	Mechanisms and structures in organic chemistry
75	58598	Lee JD	Concise inorganic chemistry
76	58599	Singh, P	Advanced organic chemistry reactions and mechanisms
77	58602	Acheson, R	An Introduction to the chemistry of heterocyclic compound
78	58603	Singh,DK	Conceptual problems in organic chemistry
79	58623	Gilchrist, T	Heterocyclic chemistry
80	58625	Mukerjee, R	Modern approach to chemical Calculations
81	58626	House	Modern synthetic reactions
82	58627	Satyaprakash	Advanced inorganic chemistry Volume II
83	58628	Williams. D	Spectroscopic methods in organic chemistry
84	58629	Pavia, D	Spectroscopy
85	58632	Tewari, N	Advanced organic stereochemistry
86	58634	Arnold and Fisher	Instant notes in chemistry for biologists
87	58635	Palrick, G	Organic Chemistry
88	58637	Kalsi, PS	Spectroscopy of organic compounds
89	58638	Eliel, E	Stereochemistry of carbon compounds
90	58647	Sykes, P	A guidebook to mechanism in organic chemistry
91	58651	Kar, A	Medicinal chemistry
92	58652	Nasipuri, D	Stereochemistry of organic compounds, principles and applications
93	58655	Finar, IL	Organic Chemistry Vol-2, Stereochemistry and the chemistry of natural products
94	58657	Singh, J	Photochemistry and pericyclic reactions
95	58658	Dhawan, P	Physical chemistry for IIT-JEE
96	58659	Mukherji	Reaction mechanisms in organic synthesis
97	58660	De, AK	Environmental chemistry



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98	58661	Sharma, V	Pericyclic reactions and Organic photochemistry
99	58664	Gopalan, R	Concise coordination chemistry
100	58665	Nasipuri, D	Stereochemistry of organic compounds, principles and applications
101	58668	Morrison, R	Study guide to organic chemistry
102	58669	Carey, F	Advanced organic chemistry Part A-Structure and mechanism
103	58670	Carey, F	Advanced organic chemistry Part B reactions and synthesis
104	58673	Ghosh, S	Advanced general organic chemistry part I
105	58674	Ghosh, S	Advanced general organic chemistry part II
106	58679	Bahl, A	A text book of organic chemistry
107	58680	Madan, RL	Inorganic synthesis
108	58681	March, J	Principles of physical chemistry
109	58682	Aruldas, G	Molecular structure and spectroscopy
110	58684	Goldberg, D	3000 solved problems in chemistry
111	58685	Bansal, R	Organic reaction mechanisms
112	58686	Bhattacharya	Group theory and its chemical applications
113	58700	Shahi, R	Essential organic chemistry The mechanism approach
114	58701	Gupta, RK	A text book of organic chemistry
115	58702	Kumar, P	Indian national Chemistry olympiad
116	58704	Skoog, D	Analytical chemistry
117	58705	Khopkar	Basic concepts of Analytical chemistry
118	58706	Mehrotra, R	Organometallic chemistry: Aunified approach
119	58707	Christian, G	Analytical chemistry
120	58708	Arnikar, HJ	Essential of Nuclear chemistry
121	58713	Solomons, TW	Organic chemistry
122	58714	Silbey, R	Physical chemistry
123	58715	Cox, M	Principles of Biochemistry
124	58716	Eliel, E	Stereochemistry of organic compounds
125	58717	Solomons, TW	Study guide and solutions manual
126	58718	Warren S	Organic synthesis : Disconnection approach
127	58722	Carrithers, W	Modern methods of organic synthesis
128	58724	Berlini	Bioinorganic reactions
129	58725	Norman	Principals of Organic Synthesis
130	58727	Kemp, W	Organic Spectroscopy
131	58835	Chatwal, G	Instrumental methods of chemical analysis



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132	58836	Chatwal, G	Instrumental methods of chemical analysis
133	58883	Shrivastava , S	Molecular techniques in Biochemistry and biotechnology
134	58887	Mandal	Herbal drugs
135	58892	Roy	General and inorganic chemistry
136	58895	Tewari, N	Advanced organic stereochemistry
137	58896	Pathak, A	Organic chemistry Vol-I
138	58897	Tewari, N	Advanced organic reaction mechanism
139	58898	Mukherjee	Mechanism of organic reactions
140	58971	Amanullah ,M	Medical biochemistry and biotechnology
141	58999	Ghosh, S	Advanced general organic chemistry part I
142	59000	Ghosh, S	Advanced general organic chemistry
143	59001	Kar, S	Redox and reagent in organic synthesis Vol-I
144	59003	Sarkar, RP	General and inorganic chemistry Part I
145	59004	Sarkar, RP	General and inorganic chemistry Part II
146	59005	Pahari, S	Physical chemistry
147	59006	Pahari, S	Physical chemistry
148	59007	Pahari, S	Problems on physical chemistry
149	59008	Mukherjee, KS	Textbook of organic chemistry
150	59009	Mukherjee, KS	Textbook of practical chemistry
151	59012	Sannigrahi A	Quantum Chemistry
152	59013	Das	Bioinorganic Chemistry
153	59014	Das, A	Environmental chemistry
154	59106	Nicolaou	Classics in total synthesis II
155	59107	Nicolaou	Classics in total synthesis III
156	59108	Anderson	Flavonoids chemistry , Biochemistry and applications
157	59109	Sleinborn , D	Fundamentals of organometallic catalysis
158	59112	Hajnos, M	High performance liquid chromatography in photochemical analysis
159	59113	Lawrence, G	Introduction to coordination chemistry
160	59114	Hill, R	Laboratory safety for chemistry students
161	59116	Mayo, D	Microscale techniques for the organic laboratory
162	59117	Li , Jie	Modern organic synthesis in the laboratory
163	59118	Cooper, C	Organic Chemists desk reference
164	59119	Starks , C	Phase transfer catalyst
165	59120	Pretsch, E	Structure determination of organic compounds
166	59121	Wuts , P	Greene's protective groups in organic synthesis
167	59122	Cohen, N	Guidebook on molecular modeling in drug design





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## List of Departmental Library Books

Sr. No	Title of Book (F.Y.B.Sc)	Publisher
1	Elementary theory and Thermodynamics	R.D. Bhide, D.B. Kulkarni
2	Elementary theory and Thermodynamics	Naroda D.S, G.Y. Bhat, S.B. Chaudhary
3	College Physics (Mathematical Methods)	V. P.Nene, P.Bhausar, H.V. Modak, Fulpagare
4	Elementary Kinetic Theory and Thermodynamics	R. D. Bhide, D.B. Kulkarni
5	College Physics	V.P.Nene, B.G. Lagu, V.A Puntambekar, K.R. Kulkarni
6	Elementary Kinetic theory and Thermodynamics	G.Y. Gambhir, V.D. Joshi, M.K Yeole, B.D. Kotkar
7	Electricity and Magnetism	G.Y. Gambhir, V.D. Joshi, M.K Yeole, N.K. Patil, M.G.Gaikwad
8	College Physics (Mathematical Methods)	V.P.Nene, G.P. Bhoraskar, Fulpagare
9	College Physics (Mathematical Methods)	V.P.Nene, G.P. Bhoraskar, Fulpagare
10	College Physics (Mathematical Methods)	V.P.Nene, G.P. Bhoraskar, Fulpagare
11	Practical Course in Physics	H.V. Modak, G.Y.Bhat, D.S. Namde
12	Methods of Theoretical Physics with Manual	D.S Namde, G.Y.Bhat, S.B. Chaudhary, H.V. Modak
13	Methods of Theoretical Physics with Manual	D.S Namde, G.Y.Bhat, S.B. Chaudhary, H.V. Modak
14	Methods of Theoretical Physics with Manual	D.S Namde, G.Y.Bhat, S.B. Chaudhary, H.V. Modak
15	Methods of Theoretical Physics with Manual	D.S Namde, G.Y.Bhat, S.B. Chaudhary, H.V. Modak
16	Methods of Theoretical Physics	D.B.Kulkarni, R.D. Bhide
17	Methods of Theoretical Physics	D.B.Kulkarni, R.D. Bhide
18	Elementary Kinetic theory and Thermodynamics	G.Y. Gambhir, V.D. Joshi, M.K Yeole, B.D. Kotkar
19	Methods of Theoretical Physics with Manual	D.S Namde, G.Y.Bhat, S.B. Chaudhary, H.V. Modak
20	Elementary Kinetic theory and Thermodynamics	G.Y. Gambhir, V.D. Joshi, M.K Yeole, B.D. Kotkar
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2	Physics Textbooks, Mathematical Methods, Optics and Laser	K.R. Kulkarni, S.K. Kshirsagar, P.L.Kale
3	Physics Textbooks, Mathematical Methods, Optics and Laser	K.R. Kulkarni, S.K. Kshirsagar, P.L.Kale
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1	Nuclear Physics : P-II	M.K.Yeole
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11	A Textbook of Sound- (For Degree Classes)	R.L.Singhal
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