



LONAVALA EDUCATION TRUST'S  
**DR. B. N. PURANDARE ARTS, SMT. S. G. GUPTA COMMERCE  
AND SMT. S. A. MITHAIWALA SCIENCE COLLEGE**

Lonavala, Tal. Maval, Dist - Pune 410 403  
(Affiliated To Savitribai Phule Pune University)  
Re - Accredited With 'B' Grade By NAAC  
The only Grantable Senior College in Lonavala

**ADMISSION BROCHURE &  
APPLICATION FORM**

**2022-2023**

**SENIOR COLLEGE**  
(Under Graduate & Post Graduate Courses)



विद्याधनं सर्वधनं प्रधानम्।

# LONAVALA EDUCATION TRUST

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DR. B.N. PURANDARE ARTS, SMT. S.G. GUPTA  
COMMERCE & SMT. S. A. MITHAIWALA  
SCIENCE COLLEGE,  
(GRANTABLE)**

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**(Affiliated to Savitribai Phule Pune University)**

**Re-accredited with 'B' Grade by NAAC**

**GLORIOUS TRADITION OF 39 YEARS IN  
THE SERVICE OF THE NATION**

**ADMISSION BROCHURE 2022 - 2023**

**SENIOR COLLEGE**

**(Under Graduate & Post Graduate Courses)**

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**Note :** The rules and regulations regarding admission, eligibility and examination are in accordance with the guidelines and ordinances of Savitribai Phule Pune University. If there is any change from Savitribai Phule Pune University, it is mandatorily to be observed by the students.

# INTRODUCTION

Lonavala Education Trust was established in the year 1981 by a few generous enterprising citizens of Lonavala with an objective of providing a local educational institution in order to impart excellent higher education to the rural students in and around Lonavala. The trust is registered under the Societies Registration Act 1860 and Maharashtra Charitable Trust's Act 1950.

To cater to the needs of the rural and tribal students, the trust started the college in 1983. Right from its inception the college has maintained its objective of providing value-based education and create responsible citizens of India. In the last 36 years the college has acquired the recognition and reputation in academic arena of Maharashtra. It is reaccredited with 'B' grade by National Assessment and Accreditation Council, Bengaluru.

The college offers undergraduate and post graduate programmes in various disciplines, leading to B.A., B.Com., B.Sc. & M.Com. degrees. It has maintained a glorious tradition of producing academically excellent students. Several co-curricular and extra-curricular activities are organized to enhance the various capacities of the students. Organization of many states level and national level seminars and conferences help the student community to improve its knowledge in concerned fields.

The College runs N.S.S. unit which has worked comprehensively for the development of the rural masses. Many of our N.S.S. volunteers and programme officers are appreciated and admired for their contribution in the welfare of society. The institution has supported and cultivated sportsmanship and team spirit among the young minds. Many of our students have outshined and outgrown in state and national level sports competitions. The college has started a hostel for girl students commuting from various parts of Maval Tehsil. The facilities like well-equipped laboratories, resourceful library, Seminar Hall, Indoor and Outdoor games training, Earn & Learn Scheme, Book Bank scheme have benefited the students to a larger extent. It gives us immense pleasure to hand out this prospectus cum handbook, it will certainly inform the students about the courses they have opted for.

## ADMISSION TO THE UNDERGRADUATE COURSES

### GENERAL INSTRUCTIONS

- 1) The student seeking admission to the first year of B.A., B.Com. & B.Sc. course will have to apply to the Principal in the prescribed form immediately after the declaration of H.S.C. results. The prescribed form shall be available on the website of the college. The hard copy of the duly filled in form has to be submitted to the office of college.
- 2) The passed XII std students of the college (Those who were admitted to XII std in Arts, Commerce and Science Junior College, Lonavla, Valvan, Tal - Maval) will have to apply for admission within seven days from the declaration of the H.S.C. results.
- 3) The students passed from other institutes will have to apply and look for the merit list.
- 4) The merit list shall be displayed on the website & notice board of the college. (website of the college : [www.lonavalacollege.edu.in](http://www.lonavalacollege.edu.in))
- 5) The second-year & third-year students of B.A./ B.Com. / B.Sc. the students, seeking admission to S.Y. and T.Y. of B.A. B.Com. and B.Sc. will have to apply within Seven days after the declaration of results of their pervious examinations.
- 6) Admission to the first year of all faculties will be provisional till the student produces Eligibility Certificate from Savitribai Phule Pune University.
- 7) The girl students seeking admission to hostel will have to apply separately to the teacher-in-charge of the hostel.

### ELIGIBILITY FOR ADMISSION TO FIRST YEAR

#### B.A. / B.Com. / B.Sc.

#### 1) FIRST YEAR ARTS :

The candidate who has passed Higher Secondary School Certificate examination of the Maharashtra State Board of Higher Secondary Education or its equivalent examination of any other Statutory Board / University with English as a compulsory subject shall be eligible for admission to F.Y.B.A. class.

## 2) FIRST YEAR COMMERCE:

The candidate who has passed the Higher Secondary School Certificate Examination of Commerce or Science of the Maharashtra State Board or Higher Secondary Examination of its equivalent of any other Statutory Board or University with English as a compulsory subject shall be eligible for admission to F.Y.B.Com. class.

## 3) FIRST YEAR SCIENCE :

- i) The candidate who has passed Higher Secondary School Certificate Examination in Science of the Maharashtra State Board of Higher Secondary Education or its equivalent examination of any other Statutory Board / University and has passed in English and in three Science subjects out of (i) Physics (ii) Chemistry (iii) Biology (iv) Mathematics (v) Geography (vi) Geology etc shall be eligible for admission to F.Y. B.Sc. class.
- ii) The candidate who has passed Higher Secondary School Certificate Examination (10+2) with English and any one of the following vocational subjects is also eligible for admission to the F.Y.B.Sc. class.

S.N.	Subject Code	Vocational Subjects	S.N.	Subject Code	Vocational Subjects
1	79	Auto Electrical	9	J1/J2/J3	Electronics Technology
2	A1	Electrical Maintenance	10	J4/J5/J6	Maintenance and Repairs of Electrical Domestic Appliances
3	A2	Mechanical Maintenance	11	K1/K2/K3	Auto Engg. Technology
4	A4	General Civil Engg.	12	P1/P2/P3	Medical Lab. Technician
5.	C2	Electronics	13	P4/P5/P6	X-Ray Technician
6.	C3	Chemical Plant Operation	14	P7/P8/P9	Ophthalmic Technician
7.	C5	Elementary Lab. Technology	15	T1/T2/T3	Maintenance, Repairs and Rewinding of Electrical Motors
8.	D9	Computer Science		L1/L2/L3	Horticulture of other Agriculture group

- iii) The candidate who has passed Diploma in Pharmacy, Diploma in Engineering (Polytechnic) or its equivalent examination recognized by MSBTE, Mumbai or its equivalent of any other Statutory Board or University shall be eligible for admission.

# COURSE STRUCTURE

## B.A. (CBCS 2019 Pattern)

### F.Y.B.A. Semester - I & II

The students joining the first Year B.A. course will have to select any 5 of the following subjects.

- |                       |                       |               |
|-----------------------|-----------------------|---------------|
| 1) Marathi (Optional) | 2) English (Optional) | 3) Economics  |
| 4) Political Science  | 5) Geography          | 6) Psychology |

Each F.Y.B.A. student has to appear for written and practical examination in physical education, it shall be compulsory.

#### Subjects for F.Y.B.A.

Subject Code	F.Y.B.A. Semester- I Subjects	Credits	Subject Code	F.Y.B.A. Semester - II Subjects	Credits
<b>Compulsory Subjects</b>					
CC	Compulsory English I	3	CC	Compulsory English II	3
101	Physical Education and Sports-I	1	201	Physical Education and Sports-II	1
			22999	Democracy Election and Governance	2
<b>Optional Subjects (Select any Five)</b>					
CC-I A	मराठी साहित्य कथा आणि भाषिक कौशल्य विकास	3	CC-I A	एकांकिका आणि भाषिक कौशल्य विकास	3
1337	English	3	1337	English	3
11151	Economics: Indian Economic Environment	3	12151	Economics: Indian Economic Environmen	3
11161	Politics General I	3	12161	Politics General I	3
110A	Physical Geography	3	110B	Human Geography	3
DSC PSY I A	Psychology-I: Foundations of Psychology	3	DSC PSY-I B	Psychology-II: Introduction to social Psychology	3



## S.Y.B.A. Term - III & IV

All the passed students of F.Y.B.A. are eligible to get admitted to S.Y.B.A. However, the students who fail at the most in four subjects are allowed to keep their terms. (ATKT)

There shall be three subjects as compulsory subjects 1) English (Compulsory)

2) A course in Environmental Education. The student has to select one of the following subjects as his special subject and two subjects as his general subjects.

3) MIL Modern Indian Language

Subjects offered at special level are,

- |                      |              |
|----------------------|--------------|
| 1) English           | 2) Marathi   |
| 3) Political Science | 4) Economics |

Subject Code	S.Y.B.A.Semester - III Subjects	Credit	Subject Code	S.Y.B.A.Semester - IV Subjects	Credit
<b>Compulsory Subjects</b>					
CC	Compulsory English	3	CC	Compulsory English	3
MIL	Modern Indian Language (Marathi/Hindi/Urdu)	2	MIL	Modern Indian Language (Marathi/Hindi/Urdu)	2
23999	Environmental Education	2	3999	Environmental Education	2
<b>English Special Subjects</b>					
SEC -1A	Advanced study of English language	3	SEC-1B	Advanced study of English language	3
DSC-1A	Discipline specific course: Appreciating Drama	3	DSC 1B	Discipline specific course: Appreciating Drama	3
DSC-2A	Discipline specific course: Appreciating Poetry	3	DSC-2B	Discipline specific course: Appreciating Poetry	3
SEC-2A	Skill Enhancement course: A certificate course in communication skills	2	SEC-2B	Skill Enhancement course: A certificate course in communication skills	2
<b>Marathi Special Subjects</b>					
CC-1C(3)	भाषिक कौशल्य विकास आणि आधुनिक मराठी	3	CC-1D(3)	भाषिक कौशल्य विकास आणि आधुनिक मराठी	3

	साहित्य प्रकार : कादंबरी			साहित्य प्रकार : ललित गद्य	
DSE-1A(3)	आधुनिक मराठी साहित्य प्रकाशवाट	3	DSE-2A(3)	मध्ययुगीन मराठी साहित्य : निवडक मध्ययुगीन गद्य, पद्य	3
DSE-1B(3)	साहित्यविचार	3	DSE-1B(3)	साहित्य समिक्षा	3
SEC-2A(2)	प्रकाशन व्यवहार आणि संपादन	2	SEC-2B(2)	उपोजित लेखन कौशल्य	2

### Economics Special Subjects

23153	Economics:Financial System (G2)	3	24153	Economics:Financial System (G2)	3
23151	Micro Economics (S1)	3	24151	Micro Economics (S1)	3
23152	Macro Economics (S2)	3	24152	Macro Economics (S2)	3
23154	Research Methodology	2	24154	Research Methodology	2

### Political Science Special Subjects

23161 DSE-1A	Politics:Western political thought	3	24161 DSE-1B	Politics:Western political thought	3
23162 DSE-2A	Political Journalism	3	24162 DSE-2B	Political Journalism	3
23164 CC-2C	An introduction to political ideologies	3	24164 CC-2D	An introduction to political ideologies	3
23165 SEC-2A	Basics of Indian Constitution	2	23165 SEC-2B	Basics of Indian Constitution	2

### General Subjects

Gg-210A	Environmental Geography	3	Gg-210B	Environmental Geography	3
CC/SEC 1A	Health Psychology	3	CC/SEC 1B	Positive Psychology	3

### T.Y.B.A. Semester - V & VI

- 1) The student has to pass all the F.Y.B.A. subjects to admit to T.Y.B.A.
- 2) The student who fails in, at the most four subjects at S.Y.B.A. level is allowed to keep terms (A.T.K.T.)
- 3) The student studying in T.Y.B.A. will have to study the following subjects
  - i) Compulsory English
  - ii) Papers prescribed for specialization
  - iii) Two General Papers that are opted at S.Y.B.A.

Subject Code	T.Y.B.A.Semester - V Subjects	Credits	Subject Code	T.Y.B.A.Semester. - VI Subjects	Credits
<b>Compulsory Subjects</b>					
CC	Compulsory English	3	CC	Compulsory English	3
35002GE 2A	Generic Elective	2	36002 GE2A	Generic Elective	2
<b>English Special Subjects</b>					
SEC-1C	Enhancing Employability Skills	3	SEC-1D	Enhancing Employability Skills	3
DSE-1C	Discipline specific elective course: Appreciating Novel	3	DSE-1D	Discipline specific elective course: Appreciating Novel	3
DSE-2C	Discipline specific elective course: Introduction to Literacy Criticism	3	DSE-2D	Discipline specific elective course: Introduction to Literacy Criticism	3
SEC-2C	Mastering life skills and life values	2	SEC-2D	Mastering life skills and life values	2
<b>Marathi Special Subjects</b>					
CC-1E(3)	भाषिक कौशल्य विकास आणि आधुनिक मराठी साहित्य प्रकार : प्रवासवर्णन	3	CC-1F(3)	भाषिक कौशल्य विकास आणि आधुनिक मराठी साहित्य प्रकार : कविता	3
DSE-1C(3+1)	मध्ययुगीन मराठी वाङ्मयाचा स्थूल इतिहास : प्रारंभ ते इ.स.-१६००	3	DSE-1D(3+1)	मध्ययुगीन मराठी वाङ्मयाचा स्थूल इतिहास : प्रारंभ ते इ.स.-१६०१ ते १८१७	3
DSE-2C(3+1)	वर्णनात्मक भाषाविज्ञान भाग-१	3	DSE-2D(3+1)	वर्णनात्मक भाषाविज्ञान भाग-२	3

SEC-2C(2)	कार्यक्रम संयोजनातील भाषिक कौशल्य: भाग-१	2	SEC-2D(2)	कार्यक्रम संयोजनातील भाषिक कौशल्य: भाग-२	2
<b>Economics Special Subjects</b>					
35153	Economics: Indian Economic Development (G3)	3	36153	Economics: Indian Economic Development (G3)	3
35151	International Economics(S3)	3	36151	International Economics(S3)	3
35152	Economics: Public Finance(S4)	3	36152	Economics: Public Finance(S4)	3
35154	Economics: Business Management	2	35154	Economics: Business Management	2
<b>Political Science Special Subjects</b>					
35161 DSE-1C	Politics:Public Administration	3	36161 DSE-1D	Politics:Public Administration	3
35162 DSE-2C	Politics: International Relations	3	36162 DSE-2D	Politics: International Relations	3
35163CC -2E	Modern Political Analysis	3	36163 CC-2F	Modern Political Analysis	3
35165 SEC-2C	Sanyukta Maharashtra Movement	2	36165 SEC-2D	Sanyukta Maharashtra Movement	2
<b>General Subjects</b>					
Gg-310A	Geography of Disaster Management I	3	Gg-310B	Geography of Disaster Management I	3
SEC1C (3)	Industrial and Organized Psychology	3	SEC1D (3)	Applied Psychology	3

## Extra Credits

The Students admitted to all undergraduate courses have to earn at least two extra credits. To get these extra two credits the student has to participate in any one of the following activities .

N.C.C. (with C certificate)-02 Credit

NSS: RD/NIC/Adventure/Youth Camps at state level - 8 Credit

N.S.S./N.C.C.: RD/NIC/Adventure/Youth camps participation at national level-04 Credit

Group IV: Avishkar/ Indnadhanushya/ Utkarsh/Awhan activity participation at college level- 1 Credit

Avishkar/ Indnadhanushya/ Utkarsh/Awhan Selection at University Level - 02 Credit

Avishkar/Indnadhanushya/ Utkarsh/Awhan winner at State Level-04. Credit

Group V: Research Paper presentation at State Level -01 Credit and National level - 02 Credits

Research Paper presentation at International level-03 Credits

Group VI : Participation in Summer School/programme: Short term courses (not less than 1 Week duration) 03 Credit

Group VII: Field Visits-1 Credit

Study Tours-1 Credit

Industrial Visit-1 Credit

Socio-cultural, Lingual Survey-1 Credit

Group VIII: Online/Offline Certificate Courses/MOOC Courses/Career Advancement Course up to 04 Credits (Minimum 10 Hrs./Credit)

Group IX: Financial Literacy 37F - आर्थिक साक्षरता - 2 Credit

Rural Community Development – ग्रामीण समुदाय विकास 2 Credit

Cyber Security सायबर सुरक्षितता – 2 Credit

Online Teaching संगणकीय अध्ययन – 2 Credit

NCC as Elective Credit Course - 24 Credit

Consumer Affairs-4 Credit

The Electoral System and Voter Participation in Indian Democracy-1 Credit

## COURSE STRUCTURE B.Com. (CBCS 2019 Pattern)

### F. Y. B. Com Course Structure (CBCS 2019 Pattern)

FYBCOM SEMESTER I				FYBCOM SEMESTER II		
S.N.	Subjects	Code No.	Credits	Subjects	Code No.	Credits
1.	Compulsory English I	111	3	Compulsory English II	121	3
2.	Financial Accounting I	112	4	Financial Accounting II	122	4
3.	Business Economics I	113	3	Business Economics II	123	3
4.	Business Mathematics & Statistics I	114A	3	Business Mathematics & Statistics II	124A	3
5.	Banking & Finance I	115B	3	Banking & Finance II	125B	3
6.	Business Environment & Entrepreneurship I	116E	3	Business Environment & Entrepreneurship II	126E	3
7.	Marathi I	117B	3	Marathi II	127B	3
8.	Additional English I	117A	3	Additional English II	127A	3
9.	Marketing & Salesmanship I	116C	3	Marketing & Salesmanship II	126C	3
10.	Commercial Geography I	115C	3	Commercial Geography II	125C	3
11.	Computerised Accounting	VA1	2	Employability Skill Enhancement Programme	VA2	2
12.				Democracy, Election & Governance	22999	2
13.	Physical Education I	101	1	Physical Education II	201	1

#### Optional Group :

The candidate has to select any one of the following groups.

**Group A :** 1) Marketing and Salesmanship  
2) Commercial Geography

Or

**Group B :** 1) Banking and Finance  
2) Business Environment and Entrepreneurship

**Group C :** The Candidate has to select any one of the following subjects.

- 1) Additional English
- or
- 2) Additional Marathi

### S. Y. B. Com Course Structure (CBCS 2019 Pattern)

SYBCOM SEMESTER III				SYBCOM SEMESTER IV		
S.N.	Subjects	Code No.	Credits	Subjects	Code No.	Credits
1.	Business Communication-I	231	4	Business Communication-II	241	4
2.	Corporate Accounting -I	232	3	Corporate Accounting -II	242	3
3.	Business Economics (Macro) I	233	3	Business Economics (Macro) II	243	3
4.	Business Management -I	234	3	Business Management -II	244	3
5.	Elements Of Company Law I	235	3	Elements Of Company Law II	245	3
6.	Banking And Finance-I (Indian Banking System)	236 B	4	Banking And Finance-II (Indian Banking System)	246 B	4
7.	Marketing Management I	236 H	4	Marketing Management II	246 H	4
8.	Environmental Education I	2399 9	2	Environmental Education II	23999	2

### T. Y. B. Com Course Structure (CBCS 2019 Pattern)

SYBCOM SEMESTER V				SYBCOM SEMESTER VI		
S.N.	Subjects	Code No.	Credits	Subjects	Code No.	Credits
1.	Business Regulatory Framework I	351	3	Business Regulatory Framework II	361	3
2.	Advanced Accounting – I	352	3	Advanced Accounting -II	362	3
3.	Indian & Global Economic Development- I	353	3	Indian & Global Economic Development II	363	3
4.	Auditing	354	4	Taxation	364	4
5.	Banking And Finance-Special Paper II	355 B	4	Banking And Finance-Special Paper II	365 B	4
6.	Marketing Management-II	355 H	4	Marketing Management-II	365 H	4
7.	Banking And Finance-Special Paper III	356 B	4	Banking And Finance-Special Paper III	366 B	4
8.	Marketing Management Paper III	356 H	4	Marketing Management Paper III	366 H	4

**Optional Subjects:**

The candidate has to select any one of the following subjects.

**Marketing Management**

OR

**Banking and Finance**

**Choice Based Credit System: -**

The Choice Based Credit System (CBCS) has been introduced for Undergraduate programmes from Academic Year 2019-20. As per this system, credit points are allotted for each subject. Other than the regular subjects, the students have to earn 8 extra credits from the following options: -

**SCHEME OF CREDITS (Academic/CGPA):**

Total credits for three years B.Com. Course (2019 pattern) is as follows: -

Sr. No.	Semester No	No of Courses	Lecture Hours	Credit per Course	Credit for practical Courses	Add on course credit (*)	Lectures + Practical + Add on courses = Total Credits
1	I	7	48	3	1	1	21+1+1=23
2	II	7	48	3	1	1	21+1+1=23
3	III	6	48	3	2	2	18+2+2=22
4	IV	6	48	3	2	2	18+2+2=22
5	V	6	48	3	3 (1 Practical and 2 Internship)	0	18+3=21
6	VI	6	48	3	3 (1 Practical and 2 Internship)	0	18+3=21
<b>Total No. of Credits</b>							<b>132</b>

Note: Practicals for Special Subject 2 and 3 have been replaced by internship in Semester 5 and 6. Please refer to internship manual for details.

**Suggested Add On courses (\*)**

Sr. No.	Add on course	Class	Semester	Credit
1	Value added course - I	F.Y.B.Com.	I	1
2	Value added course - I	F.Y.B.Com.	II	1
3	Environment Education	S.Y.B.Com.	III	2
4	Environment Education	S.Y.B.Com.	IV	2
<b>Total</b>				<b>6</b>



## SCHEME OF CREDITS (NON-CGPA):

In addition to the compulsory credits of 132, the student has to earn additional 08 credits from the following groups by taking/participating/conducting respective activities. These extra credits will not be considered for CGPA calculation; however, these are mandatory for the completion and award of B.COM Degree.

- Courses in Group 1 and Group 2 are compulsory (02 Credits Each).
- The student has to earn the remaining 04 Credits through participation in the various activities from Group 3 to Group 10
- The student can earn a maximum of 04 credits from each group: Group 3 to Group 10.
- A student is encouraged to earn a maximum of 04 credits in a year.

Group	Activity	Credits
1	<u>Physical Education</u>	
	F.Y.B.Com (Sem-I)	01
	F.Y.B.Com (Sem-II)	01
Note: Group 1 is compulsory for all the students as stated above		
2	<u>Democracy, Elections And Good Governance</u> F.Y.B.Com (Sem-II) Note: Group 2 is compulsory for all the students as stated above	02
3	Sports Representation: At College Level	01
	State/ University/ National Level	02
	International Level	03
4	<u>NSS/ NCC related</u>	
	NSS/ NCC – Participation in Annual Camp	01
	NCC (awarded B or C certificate)	02
	NSS/ NCC RD Parade participation	04
5	<u>Avishkar Participation</u>	
	College level	01
	University level/State level	02
	Winner at state level	04
	Participation in extension activity of college	01
	Participation in Cultural activity of college	01
6	<u>Research Paper Presentation</u>	
	State/ National Level	01
	International Level	02
7	Participation in Summer school (minimum 30 hours) or	Max 2
	Short term course (minimum 30 hours)	Max 2
8	Scientific survey /Societal survey	02
9	Field visit/ study tour/ Industrial visit/ participation in curricular competition/ co-curricular competition/ Commerce Festival	01
10	Online Certificate course/ MOOCs (minimum 15 hours per credit)	Max 4

## COURSE STRUCTURE B.Sc. (CBCS 2019 Pattern)

### F. Y. B.Sc. Term - I & II

The student has to select any One of the following groups. Theory course contains 2 credits and practical course contains 1.5 credits.

#### Group A

Sr. No.	Subjects
1.	Mathematics
2.	Physics
3.	Chemistry
4.	Botany

#### Group B

Sr. No.	Subjects
1.	Chemistry
2.	Physics
3.	Botany
4.	Zoology

Subject Code	F.Y. B.Sc. Semester - I Subjects	Subject Code	F.Y. B.Sc. Semester - II Subjects
<b>Physics</b>		<b>Physics</b>	
PH-111	Mechanics and Properties of Matter	PH-121	Heat & Thermodynamics
PH-112	Physics Principles & Applications	PH-122	Electromagnetics
PH-113	Physics Laboratory-IA	PH-123	Physics Laboratory-IB
<b>Botany</b>		<b>Botany</b>	
BO-111	Plant life and Utilization I	BO-121	Plant life and Utilization II
BO-112	Plant morphology and Anatomy	BO-122	Principles of plant science
BO-113	Practical based on BO 111 & BO 112	BO-123	Practical based on BO 121 & BO 122
<b>Mathematics</b>		<b>Mathematics</b>	
MT-111	Algebra	MT-121	Analytical Geometry
MT-112	Calculus-I	MT-122	Calculus-II
MT-113	Mathematics Practical	MT-123	Mathematics Practical
<b>Chemistry</b>			
CH-101	Physical Chemistry	CH-201	Inorganic Chemistry
CH-102	Organic Chemistry	CH-202	Analytical Chemistry
CH-103	Chemistry Practical-I	CH-203	Chemistry Practical-II
<b>Zoology</b>		<b>Zoology</b>	
ZO-111	Animal Diversity - I	ZY-121	Animal Diversity - II
ZO-112	Animal Ecology	ZY-122	Cell Biology
ZO-113	Zoology Practical paper	ZY-123	Zoology Practical paper

## S.Y. B.Sc Semester - III & IV

A course in Environmental Education shall be Compulsory subject for both the semesters. The candidate has to select any one of the following groups at S.Y.B.Sc. level

### Group A

Sr. No.	Subject
1.	Mathematics
2.	Physics
3.	Chemistry
4.	English / Marathi

### Group B

Sr. No.	Subject
1.	Chemistry
2.	Botany
3.	Zoology
4.	English / Marathi

### Group C

Sr. No.	Subject
1.	Physics
2.	Botany
3.	Chemistry
4.	English / Marathi

Subject Code	S.Y. B.Sc. Semester - III Subjects	Subject Code	S.Y. B.Sc. Semester - IV Subjects
23999	Environmental Education I (2 Credit)	23999	Environmental Education II (2 Credit)
<b>Physics</b>		<b>Physics</b>	
PH-231	Mathematical Methods in Physics-I	PH-241	Oscillations, Waves & Motion
PH-232	Electronics I	PH-242	Optics
PH-233	Physics Laboratory – 2A	PH-243	Physics Laboratory – 2B
<b>Botany</b>		<b>Botany</b>	
BO-231	Taxonomy of Angiosperm and Plant Ecology	BO-241	Plant anatomy and Embryology
BO-232	Plant Physiology	BO-242	Plant Biotechnology
BO-233	Practical based on BO-231 & BO-232	BO-243	Practical based on BO-241 & BO-242
<b>Mathematics</b>		<b>Mathematics</b>	
MT-231	Calculus of Several Variables	MT-241	Linear Algebra
MT-232(A) OR MT-232(B)	Laplace Transform and Fourier Series OR Computational Geometry	MT242(A) OR MT242(B)	Multivariable Calculus II OR Numerical Methods
MT-233	Mathematics Practical	MT-243	Mathematics Practical
<b>Chemistry</b>		<b>Chemistry</b>	
CH-301	Physical & Analytical Chemistry	CH-401	Physical & Analytical Chemistry
CH-302	Organic & Inorganic Chemistry	CH-402	Organic & Inorganic Chemistry
CH-303	Practical course in Chemistry - III	CH-403	Practical Course in Chemistry - IV
<b>Zoology</b>		<b>Zoology</b>	
ZO-231	Animal Diversity-III	ZO-241	Animal Diversity - IV
ZO-232	Applied Zoology - I	ZO-242	Applied Zoology - II
ZO-233	Practical Course	ZO-243	Practical Course

## **ENVIRONMENTAL STUDIES FOR UNDER GRADUATE COURSES**

As per the order of Honorable Supreme Court of India, Environmental Studies course is compulsory for every undergraduate student. The college is implementing this course in Environmental Studies in the **Second year of all** degree courses. The examination will be conducted in each semester of Second Year and will carry marks for Theory as well as Project. These marks will be converted into the grades accordingly. The grade will be mentioned in the degree marksheet. If any student fails in this course, the result of his course will be withheld by the university.

### **T.Y.B.Sc. Semester V & VI**

The student has to select any one of the following subjects at special level.

1)Physics 2)Chemistry 3)Botany 4)Zoology

The student has to pass all the F.Y.B.Sc. subjects to get admitted to T.Y.B.Sc. The selected special subject must be the subject opted for at S.Y.B.Sc. level. In addition to compulsory credits of 132, students must earn 8 credits by taking/participating/conducting activities. Choose 2 skill enhancement courses for the semesters.

<b>Subject Code</b>	<b>T.Y. B.Sc. Semester - V Subjects</b>	<b>Subject Code</b>	<b>T.Y. B.Sc. Semester –VI Subjects</b>
<b>Physics</b>		<b>Physics</b>	
PH-351	Mathematical Methods in Physics-II	PH-361	Solid State Physics
PH-352	Classical Electrodynamics	PH-362	Quantum Mechanics
PH-353	Classical Mechanics	PH-363	Thermodynamics & Statistical Physics
PH-354	Atomic & Molecular Physics	PH-364	Nuclear Physics
PH-355	Computational Physics	PH-365	Electronics-II
PH-336	Elements of Material Science	PH-366-R	Laser
PH-357	Physics Laboratory-3A	PH-367	Physics Laboratory-4A
PH-358	Physics Laboratory-3B	PH-368	Physics Laboratory-4B
PH-359	Project-I	PH-369	Project-II

<b>Botany</b>		<b>Subjects</b>		<b>Botany</b>		<b>Subjects</b>	
BO-351	Algae and Fungi	BO-361	Plant Physiology				
BO-352	Archegoniate	BO-362	Biochemistry				
BO-353	Spermatophyta and Paleobotany	BO-363	Plant Pathology				
BO-354	Plant Ecology	BO-364	Evolution and Population genetics				
BO-355	Cell and Molecular Biology	BO-365	Advanced Plant Biotechnology				
BO-356	Genetics	BO-366	Plant Breeding and Seed Technology				
BO-357	Practical based on BO 351 & BO 352	BO-367	Practical based on BO 361 & BO 362				
BO-358	Practical based on BO 353 & BO 354	BO-368	Practical based on BO 363 & BO 364				
BO-359	Practical based on BO 355 & BO 356	BO-369	Practical based on BO 365 & BO 366				
<b>Chemistry</b>				<b>Chemistry</b>			
CH-501	Physical Chemistry-I	CH-601	Physical Chemistry-II				
CH-502	Analytical Chemistry-I	CH-602	Physical Chemistry -III				
CH-503	Physical Chemistry Practical-I	CH-603	Physical Chemistry Practical-II				
CH-504	Inorganic Chemistry-I	CH-604	Inorganic Chemistry-II				
CH-505	Industrial Chemistry	CH-605	Inorganic Chemistry-III				
CH-506	Inorganic Chemistry Practical-I	CH-606	Inorganic Chemistry Practical-II				
CH-507	Organic Chemistry-I	CH-607	Organic Chemistry-II				
CH-508	Chemistry of Biomolecules	CH-608	Organic Chemistry-III				
CH-509	Organic Chemistry Practical-I	CH-609	Organic Chemistry Practical-II				
<b>Zoology</b>				<b>Zoology</b>			
ZO-351	Pest Management	ZO-361	Medical & Forensic Zoology				
ZO-352	Histology	ZO-362	Animal Physiology				
ZO-353	Biological Chemistry	ZO-363	Molecular Biology				
ZO-354	Genetics	ZO-364	Entomology				
ZO-355	Developmental Biology	ZO-365	Techniques in Biology				
ZO-356	Parasitology	ZO-366	Evolutionary Biology				
ZO-357	Zoology Practical Paper 1	ZO-367	Zoology Practical Paper 1				
ZO-358	Zoology Practical Paper 2	ZO-368	Zoology Practical Paper 2				
ZO-359	Zoology Practical Paper 3	ZO-369	Zoology Practical Paper 3				

## SCHEME OF CREDITS (Academic/CGPA):

- 1) F.Y./S.Y./T.Y. B.Sc. students have to appear for internal examinations of 15 marks and semester end examination for each subject will be of 35 marks.
- 2) There shall be Two semesters in each year of B.Sc. course.
- 3) There will be practical examinations for each subject that the candidate has opted for (F.Y. to T.Y.B.Sc.)

### 2.2 Mandatory Credit courses for award of B.Sc. Degree:

**In addition to the compulsory credits of 132, the student has to earn additional 8 credits from following groups by taking/participating/conducting respective activities.**

**Courses in Group I are compulsory.**

The student can earn **maximum 04 credits from an individual group from Group 2 to Group 9**

**These extra credits will not be considered for GPA calculation**, however these are mandatory for the completion and award of B. Sc. Degree.

- Group 1:** Physical Education (at F. Y. B. Sc. Sem. 1) -01 credit  
Physical Education (at F. Y. B. Sc. Sem. I) -01 credit  
(Note: Group I is compulsory for all the students as stated above.)
- Group 2:** Sport representation at College level -01 credit  
Sport representation at University / Statelevel -02 credits  
(Note: Group I is compulsory for all the students as stated above.)
- Group 3:** National Social Service Scheme (participation in Camp): 01 credits  
N.CC. (with participation in annual camp) -01 credit  
N.C.C. (with B certificate/C certificate award)- 02 credits  
N.S.S./N.C.C. Republic day parade participation - 04 credits
- Group 4:** Avishkar participation; Extension activity participation, Cultural activity participation -01 credit  
Avishkar selection at University level - 02 credits.  
Avishkar winner at state level - 04 credits
- Group 5:** Research paper presentation at State/National level - 01credits  
Research paper presentation at International level - 02 credits
- Group 6:** Participation in Summer school/programme; Short term course (notless than 1-week duration) - 03 credit.
- Group 7:** Scientific Survey, Societal survey, - 02 credits.
- Group 8:** Field Visits; Study Tours; Industrial Visits; Participation in curricular/ cocurricular competitions- 01 Credit.
- Group 9:** Online certificate Courses /MOOC Courses/ Career Advancement Course up to 04 credits (Minimum 10 Hrs./ credit)

## CONVOCATION (FOR UNDER GRADUATES)

After the declaration of results, all the Third-year students must fill up the online form for convocation. The graduate students will get the degree certificates, only if they fill up the online convocation forms.

(Website: [www.unipune.ac.in](http://www.unipune.ac.in))

The graduated students must attend the convocation ceremony to be arranged by the college every year. The convocation ceremony will be organized in the month of February tentatively.

## COURSE STRUCTURE M.Com. (CBCS 2019 Pattern)

### Business

### Specialization:

### Administration

### Eligibility for M.Com. :

The candidate who has passed B.Com. from Savitribai Phule Pune University or any other recognized university or any graduate of this or any other recognized university shall be eligible to seek admission to M.Com. course.

Sub. Code	M.Com Part I Semester I Subjects	Sub. Code	M.Com. Part I Semester III Subjects
101	Management Accounting	301	Business Finance
102	Strategic Management	302	Research Methodology
113	Production & Operations Management II	313	Human Resource Management V
114	Financial Management II	314	Organizational Behaviour VI
191	Human Rights I	394	Skill Development I
192	Introduction to Cyber Security I	392	Introduction to Cyber Security III
	<b>M.Com Part I Semester II</b>		<b>M.Com Part I Semester IV</b>
201	Financial Analysis & Control	401	Capital Market and Financial Services
202	Industrial Economics	402	Industrial Economic Environment
213	Business Ethics & Professional Values III	413	Recent Advances in Business Administration VII
214	Elements of Knowledge Management IV	414	Project Work
291	Human Rights II	494	Skill Development I
292	Introduction to Cyber Security II	492	Introduction to Cyber Security IV
	Introduction to Indian Constitution		

### 3) Passing Criteria

The student requires '4' credits to qualify in each subject and needs to obtain minimum 40% marks to gain 4 credits.

#### Explanation :

Internal exam > 15 Marks

External exam > 15 Marks

Aggregate > 40 Marks

A student should gain 50% credits (16 credits 32 credits) in the first two semesters to be eligible to get admission in 3rd semester.

Maximum duration to re-appear for a course will be 4 academic years with maximum 3 attempts.

### 4) Evaluation Pattern

The marks obtained in internal and external examinations will be converted into grades and later into grade point average.

The marking scheme is as follows.

Marks	Grade	Grade point average
80-100	O - Outstanding	09.00 - 10.00
70-49	A+ - Excellent	08.50 - 09.00
60-69	A - Very Good	07.50 - 08.49
55-59	B+ - Good	06.50 - 07.49
50-54	B - Above Average	05.50 - 06.49
45-49	C - Average	04.25 - 05.49
40-44	P - Pass	04.00 - 04.24
0-39	F - Fail	00.00 - 03.99
	AB - Absent	



# SCHEME OF EXAMINATION

(POST GRADUATION)

## Choice - Based Credit System for the Post - Graduate Programs M.Com. (2019 Pattern)

Choice - based credit system is implemented for the Post - Graduate Programs in all the affiliated colleges of Savitribai Phule, Pune University from the academic year 2013-14, in order to cope up with the norms and practices accepted and implemented across the globe. The college runs one P.G. programme namely Master of Commerce (Business Administration). The credit system is implemented as under:

### A) Number of Credits :

The P.G. Degree will be awarded to those students who obtain minimum '16' credits per semester (4 credits for each subject) and '64' credits in two years program.

### B) Pattern of Examination :

#### 1) Types of Examination

	Marks	Credits
Internal / College Exam / Continuous Assessment	40	
External / University / End of Semester Exam	<u>60</u>	
	<b>100</b>	<b>04</b>

#### 2) Internal Examination Pattern

Two Written Tests	30 / 40	Marks
Two Practical Tests	<u>10</u>	Marks
<b>Total :</b>	<b>40 / 40</b>	<b>Marks</b>

#### Practical tests (Any 2)

Journal / Lecture / Library Notes

Short Quizzes

Seminar Presentation

Assignments

Extension Work

Open Book test

Mini - research project (Individual / Group)

## RULES OF DISCIPLINE

- 1) The students must observe discipline strictly in the college premises and shall not disturb the administration and teaching - learning in any manner.
- 2) The students should be regular and punctual in attending classes, tutorials and submission of the term-work in various subjects. Terms shall not be granted and a student shall not be certified for examination if his/her progress, conduct and attendance is not satisfactory.
- 3) The students, if found indulging in any anti-national activities' contrary to the provisions of the Acts & Laws enforced by the State and Central Governments will be liable to be expelled from the college without any notice by the Principal of the College.
- 4) Ragging of students in any form on or off the College campus and hostel is strictly prohibited. Defaulters will be strictly dealt with as per the Govt. instructions.
- 5) Smoking, consumption of alcohol and use of drugs is strictly prohibited in the premises of the College and hostel.
- 6) Bicycles, scooters and vehicles should be parked only in areas provided for the purpose. The institute accepts no responsibility for their safe custody. Vehicles lodged elsewhere may be confiscated.
- 7) Any changes in the address of the student must be intimated by him in writing to the college office immediately.
- 8) Students must use aprons and uniforms is prescribed pattern while working in dissection hall, laboratories, class-rooms and in the college premises.
- 9) The students must carry Identity Cards signed by the Principal and produce the same whenever asked by the College Authorities. **Without Identity cards students will not be allowed to enter the college premises.**
- 10) The students are expected to read the notices put up on the notice board of the College. The College accepts no responsibility for loss of any advantage to the student due to his failure to read the notice in time.
- 11) In case, a student requires to remain absent for some reasons, he/she will be required to take the prior permission of the Principal.
- 12) If any of the statement made in application form or any information supplied by the student in connection with his/her admission is later, at any time found to be

false or incorrect, his/her admission will be cancelled, fees forfeited, and he/she will be expelled from the college by the Principal and prosecuted by the Govt., if deemed to be necessary.

- 13) Any damage to the college property, apparatus, furniture, equipment, library books, building etc. must be compensated immediately by the students.
- 14) Students must attend social and national events organized by the College such as 26<sup>th</sup> January 17<sup>th</sup> August (Foundation day) and 15<sup>th</sup> August, and all other declared national celebrations.
- 15) The student will be bound by the rules and regulations framed by the College and the University from time to time.
- 16) No student will be allowed to appear for the university examination unless he/she has paid all his/her dues and completed his/her practical journals and has kept satisfactory attendance.
- 17) The Principal reserves the right to prescribe any rule/s of discipline and accordingly take necessary disciplinary action.

### **Refund of Fees**

1. If a student submits his application for cancellation of admission in a prescribed form duly completed within 15 calendar days from the date of admission, 10 per cent of the total amount of tuition fees prescribed for the course will be deducted from the amount of tuition fees paid by him.
2. If a student submits his application for cancellation of admission in a prescribed form duly completed within 30 calendar days from the date of admission, 25 per cent of the total amount of tuition fees prescribed for the course will be deducted from the amount of tuition fees paid by him.
3. If a student submits his application for cancellation of his admission after 30 calendar days from the date of admission to that particular course no refund of fees will be made.
4. If any student admitted to any of course leaves the course at any time after 90 calendar days after the date of his admission to that course in an academic year, he/she will be required to pay full amount of tuition fees for the remaining entire duration of his course.

### **Hostel Accommodation**

Accommodation for girls is available in the hostel. The female students who are admitted in the college will be eligible for admission in the hostel. They will have to apply separately in the prescribed form available in the hostel office.

### **Refund of Deposits**

A student should collect his/her deposit(s) within six months from the date of cancellation of his/her admission or within six months of completion of his/her course.

### **Grant of Terms**

The student will be granted terms and allowed to appear for university examination, provided he has kept satisfactory attendance of 75% for each subject / course / paper.

### **Govt. Scholarships & Freeships**

Eligible students can avail of the facilities of various Govt. scholarships which are awarded on the basis of merit at S.S.C./H.S.C./U.G./P.G. examinations and income of the parents.

### **Scholarships**

- 1) Post Matric scholarship for SC and ST students.
- 2) National Merit Scholarship
- 3) National Loan Scholarship
- 4) State Govt./Central Government Open Merit Scholarship
- 5) Scholarship to Children of Primary and Secondary School Teachers
- 6) Talent Development in Maths and Physics Scholarship.
- 7) Scholarship for the words of F.F.
- 8) Physically Handicapped Students Scholarship
- 9) Central Government Minority Scholarship
- 10) Single Girl Child - Indira Gandhi Scholarship
- 11) North-East State Government Scholarship
- 12) Rajarshi Shahu Maharaj Scholarship
- 13) Central Sector Scholarship

**NOTE :** It will be the sole responsibility of the student to apply for freeships/ scholarships in the prescribed form and before the prescribed date. The college will not be responsible for any loss of scholarship / freeship due to negligence on the part of the student.

### **Extra-Curricular Activities**

The following extrac urricular activities are provided to the students by the college.

- 1) National Service Scheme (N.S.S.)
- 2) Debating, Elocution Competition, Arts Circle, Science Association, Commerce Association.
- 3) Indoor, Outdoor Games

### **Library**

The college has a well-equipped library. Needy and deserving students are given books under the Book-Bank Scheme.

### **Gymkhana**

Adequate arrangements are made for games and sports. Special equipment's are made available for the development of the Gymnasium Section. The facilities for following games are provided by the college.

#### **Names of Games:**

- |                |                                     |
|----------------|-------------------------------------|
| 1) Basket Ball | 6) Cricket                          |
| 2) Soft Ball   | 7) Chess                            |
| 3) Foot Ball   | 8) Wrestling                        |
| 4) Volley Ball | 9) Athletics                        |
| 5) Hand Ball   | 10) Gymnasium & Other Indian Games. |

### **Earn and Learn Scheme**

Economically weak and meritorious students are given financial assistance under this scheme by providing some work to meet their expenses of fees, books etc.

### **Medical Check-Up**

A medical checkup is compulsory for all the first-year students.

### **Student Safety Policy**

Savitribai Phule Pune University provides facility of student safety policy for students studying in the affiliated colleges of Savitribai Phule Pune University.



## Academic Programme 2022-23

EVENT	TERM - I
1. Commencement of the Term	20th June 2022
2. Mid Semester Examination or Term End Examination	Fourth week of September
3. University Practical Examination	First week of October
4. University Theory Examination	Second week of October
5. Closing of the Term	08th November 2022
6. Winter Vacation	09th November 2022 to 4th December 2022
7. Declaration of University Examination Results	As per the schedule of the University
EVENT	TERM - II
1. Commencement of the Term	5th December 2022
2. University Practical Examination	Last week of February
3. University Theory Examination	Third week of March
4. Closing of the Term	4th May 2023
5. Summer Vacation	May 2023
6. Declaration of University Examination Results	As per the schedule of the University

This schedule is tentative and subject to change, as per the schedule of Savitribai Phule Pune University.

# Activities at a Glance





LONAVLA EDUCATION TRUST'S  
**DR. B.N. PURANDARE ARTS, SMT. S.G. GUPTA  
AND SMT. S.G.G. SCIENCE COLLEGE**

Lonavla, Dist - Pune - 410403  
Re-accredited with 'B' Grade by NAAC

**GLORIOUS TRADITION OF 39 YEARS IN THE SERVICE OF THE NATION**

**ADMISSIONS OPEN FOR**

11th Arts, Commerce & Science

12th Arts, Commerce & Science

B.Sc.

B.A.

B.Com.

M.Com.

**Salient Features :**

- Highly Qualified and Experienced Teaching Staff.
- Spacious College Building, Well Equipped Laboratories and Library.
- Fee Concessions, Government Scholarships and Freeships.
- Excellent Examination Results.
- Well equipped Hostel for girl students.
- Curricular and Extra Curricular Activities, NSS.
- Campus Placements.
- Special Attention to Sports.
- Guidance for Competitive Examinations i.e. NET, SET, UPSC, MPSC etc.
- Choice Based Credit and Grade system for U.G. and P.G. courses.

**For details contact the college office between - 9.00 am & 5.00 pm**

**Phone : (02114) 273006, Mobile : 7888042375**

**E-Mail : [lonavalacollege@gmail.com](mailto:lonavalacollege@gmail.com)**

