

UNIVERSITY OF MUMBAI**Syllabus for Approval**

Sr. No.	Heading	Particulars
1	Title of the Course	Foundation Course (SYBA, SYBSc, SYBCom; Semesters III and IV)
2	Eligibility for Admission	Not Applicable
3	Passing Marks	40 %
4	Ordinances / Regulations (if any)	Not Applicable
5	No. of Years / Semesters	III and IV Semesters
6	Level	P.G./ U.G./ Diploma / Certificate (Strike out which is not applicable)
7	Pattern	Yearly / Semester (Strike out which is not applicable)
8	Status	New / Revised (Strike out which is not applicable)
9	To be implemented from Academic Year	From Academic Year 2017-18

Date: **8th May, 2017**

Signature :

Name of BOS Chairperson /Dean : **Dr Agnelo Menezes**

UNIVERSITY OF MUMBAI



Essentials Elements of the Syllabus

1	Title of the Course	Foundation Course (SYBA, SYBSc, SYBCom – III and IV Semesters)
2	Course Code	
3	Preamble / Scope	Not Applicable
4	Objective of Course / Course Outcome	Not Applicable
5	Eligibility	Not Applicable
6	Fee Structure	Not Applicable
7	No. of Lectures	3 lectures per week
8	No. of Practical	Not Applicable
9	Duration of the Course	III and IV Semesters respectively
10	Notional hours	Not Applicable
11	No. of Students per Batch	Not Applicable
12	Selection	Not Applicable
13	Assessment	Not Applicable
14	Syllabus Details	Given
15	Title of the Unit	Not Applicable
16	Title of the Sub-Unit	Not Applicable
17	Semester wise Theory	Not Applicable
18	Semester wise List of Practical	Not Applicable
19	Semester wise List of Practical	Not Applicable
20	Question Paper Pattern	Given
21	Pattern of Practical Exam	Not Applicable
22	Scheme of Evaluation of Project / Internship	Given
23	List of Suggested Reading	Given
24	List of Websites	Given
25	List of You-Tube Videos	Not Applicable
	List of MOOCs	Not Applicable

UNIVERSITY OF MUMBAI

**SECOND YEAR B.A., SECOND YEAR B.Sc.,
SECOND YEAR B.Com.**

SEMESTER III AND IV

FOUNDATION COURSE

UNDER THE CBCGSS SYSTEM

EFFECTIVE FROM 2017-2018

FOUNDATION COURSE

Semester III

Internal marks: 25

External marks: 75

Total Marks: 100

Lectures: 45

Objectives

- i. Develop a basic understanding about issues related to Human Rights of weaker sections, ecology, and science and technology.
- ii. Gain an overview of significant skills required to address competition in career choices
- iii. Appreciate the importance of developing a scientific temper towards technology and its use in everyday life

Module 1 Human Rights Provisions, Violations and Redressal (12 lectures)

- A. Scheduled Castes- Constitutional and legal rights, Forms of violations, Redressal mechanisms. (2 Lectures)
- B. Scheduled tribes- Constitutional and legal rights, Forms of violations, Redressal mechanisms. (2 Lectures)
- C. Women- Constitutional and legal rights, Forms of violations, Redressal mechanisms. (2 Lectures)
- D. Children- Constitutional and legal rights, Forms of violations, Redressal mechanisms. (2 Lectures)
- E. People with Disabilities, Minorities, and the Elderly population- Constitutional and legal rights, Forms of violations, Redressal mechanisms. (4 Lectures)

Module 2 Dealing With Environmental Concerns (11 lectures)

- A. Concept of Disaster and general effects of Disasters on human life- physical, psychological, economic and social effects. (3 Lectures)
- B. Some locally relevant case studies of environmental disasters. (2 Lectures)
- C. Dealing with Disasters - Factors to be considered in Prevention, Mitigation (Relief and Rehabilitation) and disaster Preparedness. (3 Lectures)
- D. Human Rights issues in addressing disasters- issues related to compensation, equitable and fair distribution of relief and humanitarian approach to resettlement and rehabilitation. (3 Lectures)

Module 3 Science and Technology I (11 lectures)

- A. **Development of Science**- the ancient cultures, the Classical era, the Middle Ages, the Renaissance, the Age of Reason and Enlightenment. (3 Lectures)
- B. **Nature of science**- its principles and characteristics; Science as empirical, practical, theoretical, validated knowledge. (2 Lectures)
- C. **Science and Superstition**- the role of science in exploding myths, blind beliefs and prejudices; Science and scientific temper- scientific temper as a fundamental duty of the Indian citizen. (3 Lectures)

D. **Science in everyday life**- technology, its meaning and role in development; Interrelation and distinction between science and technology. **(3 Lectures)**

Module 4 Soft Skills for Effective Interpersonal Communication (11 lectures)

Part A (4 Lectures)

- I) Effective Listening - Importance and Features.
- II) Verbal and Non-Verbal Communication; Public-Speaking and Presentation Skills.
- III) Barriers to Effective Communication; Importance of Self-Awareness and Body Language.

Part B (4 Lectures)

- I) Formal and Informal Communication - Purpose and Types.
- II) Writing Formal Applications, Statement of Purpose (SOP) and Resume.
- III) Preparing for Group Discussions, Interviews and Presentations.

Part C (3 Lectures)

- I) Leadership Skills and Self-Improvement - Characteristics of Effective Leadership.
- II) Styles of Leadership and Team-Building.

Projects / Assignments (for Internal Assessment)

- i. Projects/Assignments should be drawn for the component on Internal Assessment from the topics in **Module 1 to Module 4**.
- ii. Students should be given a list of possible topics - at least 3 from each Module at the beginning of the semester.
- iii. The Project/Assignment can take the form of Street-Plays / Power-Point Presentations / Poster Exhibitions and similar other modes of presentation appropriate to the topic.
- iv. Students can work in groups of not more than 8 per topic.
- v. Students must submit a hard / soft copy of the Project / Assignment before appearing for the semester end examination.

QUESTION PAPER PATTERN (Semester III)

The Question Paper Pattern for Semester End Examination shall be as follows:

TOTAL MARKS: 75

DURATION: 150 MINUTES

QUESTION NUMBER	DESCRIPTION	MARKS ASSIGNED
1	i. Question 1 A will be asked on the meaning / definition of concepts / terms from all	a) Total marks: 15

	<p>Modules.</p> <p>ii. Question 1 B will be asked on the topic of the Project / Assignment done by the student during the Semester</p> <p>iii. In all 8 Questions will be asked out of which 5 have to be attempted.</p>	<p>b)For 1 A, there will be 3 marks for each sub-question.</p> <p>c)For 1 B there will be 15 marks without any break-up.</p>
2	Descriptive Question with internal option (A or B) on Module 1	15
3	Descriptive Question with internal option (A or B) on Module 2	15
4	Descriptive Question with internal option (A or B) on Module 3	15
5	Descriptive Question with internal option (A or B) on Module 4	15

FOUNDATION COURSE

Semester IV

Internal marks: 25

External marks: 75

Total Marks: 100

Lectures: 45

Module 1 Significant, contemporary Rights of Citizens (12 lectures)

- A. Rights of Consumers-**Violations of consumer rights and important provisions of the Consumer Protection Act, 2016; Other important laws to protect consumers; Consumer courts and consumer movements. **(3 Lectures)**
- B. Right to Information-** Genesis and relation with transparency and accountability; important provisions of the Right to Information Act, 2005; some success stories. **(3 Lectures)**
- C. Protection of Citizens'/Public Interest-**Public Interest Litigation, need and procedure to file a PIL; some landmark cases. **(3 Lectures)**
- D. Citizens' Charters, Public Service Guarantee Acts.** **(3 Lectures)**

Module 2 Approaches to understanding Ecology (11 lectures)

- A. Understanding approaches to ecology-** Anthropocentrism, Biocentrism and Eco centrisism, Ecofeminism and Deep Ecology. **(3 Lectures)**
- B. Environmental Principles-1:** the sustainability principle; the polluter pays principle; the precautionary principle. **(4 Lectures)**
- C. Environmental Principles-2:** the equity principle; human rights principles; the participation principle. **(4 Lectures)**

Module 3 Science and Technology II (11 lectures)

Part A: Some Significant Modern Technologies, Features and Applications: (7 Lectures)

- i. **Laser Technology-** Light Amplification by Stimulated Emission of Radiation; use of laser in remote sensing, GIS/GPS mapping, medical use.
- ii. **Satellite Technology-** various uses in satellite navigation systems, GPS, and imprecise climate and weather analyses.
- iii. **Information and Communication Technology-** convergence of various technologies like satellite, computer and digital in the information revolution of today's society.
- iv. **Biotechnology and Genetic engineering-** applied biology and uses in medicine, pharmaceuticals and agriculture; genetically modified plant, animal and human life.
- v. **Nanotechnology-** definition: the study, control and application of phenomena and materials at length scales below 100 nm; uses in medicine, military intelligence and consumer products.

Part B: Issues of Control, Access and Misuse of Technology. (4 Lectures)

Module 4 Introduction to Competitive Examinations (11 lectures)

Part A. Basic information on Competitive Examinations- the pattern, eligibility criteria and local centres: (4 Lectures)

- i. Examinations conducted for entry into professional courses - Graduate Record Examinations (GRE), Graduate Management Admission Test (GMAT), Common Admission Test (CAT) and Scholastic Aptitude Test (SAT).
- ii. Examinations conducted for entry into jobs by Union Public Service Commission, Staff Selection Commission (SSC), State Public Service Commissions, Banking and Insurance sectors, and the National and State Eligibility Tests (NET / SET) for entry into teaching profession.

Part B. Soft skills required for competitive examinations- (7 Lectures)

- i. Information on areas tested: Quantitative Ability, Data Interpretation, Verbal Ability and Logical Reasoning, Creativity and Lateral Thinking
- ii. Motivation: Concept, Theories and Types of Motivation
- iii. Goal-Setting: Types of Goals, SMART Goals, Stephen Covey's concept of human endowment
- iv. Time Management: Effective Strategies for Time Management
- v. Writing Skills: Paragraph Writing, Report Writing, Filing an application under the RTI Act, Consumer Grievance Letter.

Projects / Assignments (for Internal Assessment)

- i. Projects/Assignments should be drawn for the component on Internal Assessment from the topics in **Module 1 to Module 4**.
- ii. Students should be given a list of possible topics - at least 3 from each Module at the beginning of the semester.
- iii. The Project/Assignment can take the form of Street-Plays / Power-Point Presentations / Poster Exhibitions and similar other modes of presentation appropriate to the topic.
- iv. Students can work in groups of not more than 8 per topic.
- v. Students must submit a hard / soft copy of the Project / Assignment before appearing for the semester end examination.

QUESTION PAPER PATTERN (Semester IV)

The Question Paper Pattern for Semester End Examination shall be as follows:

TOTAL MARKS: 75

DURATION: 150 MINUTES

QUESTION NUMBER	DESCRIPTION	MARKS ASSIGNED
1	i. Question 1 A will be asked on the meaning / definition of concepts / terms from all Modules.	a) Total marks: 15 b) For 1 A, there will be 3 marks for each sub-question.

	<p>ii. Question 1 B will be asked on the topic of the Project / Assignment done by the student during the Semester</p> <p>iii. In all 8 Questions will be asked out of which 5 have to be attempted.</p>	c) For 1 B there will be 15 marks without any break-up.
2	Descriptive Question with internal option (A or B) on Module 1	15
3	Descriptive Question with internal option (A or B) on Module 2	15
4	Descriptive Question with internal option (A or B) on Module 3	15
5	Descriptive Question with internal option (A or B) on Module 4	15

References

1. Asthana, D. K., and Asthana, Meera, *Environmental Problems and Solutions*, S. Chand, New Delhi, 2012.
2. Bajpai, Asha, *Child Rights in India*, Oxford University Press, New Delhi, 2010.
3. Bhatnagar Mamta and Bhatnagar Nitin, *Effective Communication and Soft Skills*, Pearson India, New Delhi, 2011.
4. G Subba Rao, *Writing Skills for Civil Services Examination*, Access Publishing, New Delhi, 2014
5. Kaushal, Rachana, *Women and Human Rights in India*, Kaveri Books, New Delhi, 2000.
6. Mohapatra, Gaur Krishna Das, *Environmental Ecology*, Vikas, Noida, 2008.
7. Motilal, Shashi, and Nanda, Bijoy Lakshmi, *Human Rights: Gender and Environment*, Allied Publishers, New Delhi, 2007.

8. Murthy, D. B. N., *Disaster Management: Text and Case Studies*, Deep and Deep Publications, New Delhi, 2013.
9. Parsuraman, S., and Unnikrishnan, ed., *India Disasters Report II*, Oxford, New Delhi, 2013
10. Reza, B. K., *Disaster Management*, Global Publications, New Delhi, 2010.
11. Sathe, Satyaranjan P., *Judicial Activism in India*, Oxford University Press, New Delhi, 2003.
12. Singh, Ashok Kumar, *Science and Technology for Civil Service Examination*, Tata McGraw Hill, New Delhi, 2012.
13. Thorpe, Edgar, *General Studies Paper I Volume V*, Pearson, New Delhi, 2017.

Student Id	NAME_LFM	Course Name	ROLL NO	Subject Combination
2946143	KHAN NEEHAL MUSTAK	SYBSC	49	Physics, Chemistry
2946144	SHAIKH SADIA FATIMA KHURSHIDALI	SYBSC	68	Botony, Zoology
2946145	KHAN LUBNA MEHABOOB	SYBSC	73	Botony, Zoology
2946146	KHAN SHIREEN AMANULLA	SYBSC	35	Chemistry, Zoology
2946148	RAEEN AMNA KHATOON AB QADIR	SYBSC	4	Physics, Maths
2946149	SHAIKH HUDA ABDULHAMID	SYBSC	90	Botony, Zoology
2946150	ANSARI SUFIYAN NAQI	SYBSC	27	Chemistry, Zoology
2946152	KHAN NASHRA ILIYAS	SYBSC	74	Botony, Zoology
2946153	SAYED NAZISH KALIM	SYBSC	82	Botony, Zoology
2946154	ANSARI MOHD WASIM AKRAM ALI	SYBSC	93	Botony, Zoology
2946155	KHAN MOHD ALTAF MOHD HASIB	SYBSC	34	Chemistry, Zoology
2946156	CHOUDHARY AAFIYA MOHAMAD AFTAB	SYBSC	66	Botony, Zoology
2946157	SAYYED AMINA SAJID	SYBSC	84	Botony, Zoology
2946158	AALAM SHEHBAZ SHAHZAD	SYBSC	47	Physics, Chemistry
2946159	KHAN FARUKH HABIB	SYBSC	48	Physics, Chemistry
2946160	. RABAB FATIMA SHABBIR	SYBSC	78	Botony, Zoology
2946161	FAROOQUI HUDA NAAZ AZIMULLAH	SYBSC	30	Chemistry, Zoology
2946162	BAKSH ZAID KARIM	SYBSC	28	Chemistry, Zoology
2946163	SHAIKH SAIMA SADIK	SYBSC	94	Botony, Zoology
2946164	KEDARI SUPARNA RAJENDRA	SYBSC	3	Physics, Maths
2946165	SAYYED TASVIR FATIMA MOHD SHABBAR	SYBSC	85	Botony, Zoology
2946166	SHAIKH HANIFA ABUL KHAIR	SYBSC	5	Physics, Maths
2946167	SHAIKH MOHAMMED FAHAD MEHTAB ALAM	SYBSC	6	Physics, Maths
2946169	SHAHU AMAN AJAY	SYBSC	53	Physics, Chemistry
2946170	IDRISI SIFAT MOHD AALAMGIR	SYBSC	2	Physics, Maths
2946171	SHAIKH ASHIYA BEGUM NOORUDDIN	SYBSC	88	Botony, Zoology
2946172	CHOUDHARY LAIBA SIRAZ	SYBSC	67	Botony, Zoology

2946173	. ARHAMA JAVED QAMAR	SYBSC	62	Botony, Zoology
2946174	ANSARI MOHAMMED MOIN SHAKIL	SYBSC	14	Chemistry, Botony
2946175	KUMAR SUMIT	SYBSC	1	Physics, Maths
2946176	ANSARI ARIF HUSSAIN AKHTAR HUSSAIN	SYBSC	64	Botony, Zoology
2946177	SHAIKH AFREEN IBRAHIM	SYBSC	87	Botony, Zoology
2946178	SHAIKH MOHAMMAD AMAN ISRAR	SYBSC	91	Botony, Zoology
2946179	PETER MOSES VINCENT	SYBSC	46	Physics, Chemistry
2946180	SHAIKH AYAN ABDUL SATAR	SYBSC	89	Botony, Zoology
2946181	SIDDIQUI SANIYA SHAKEEL AHMED	SYBSC	41	Chemistry, Zoology
2946182	KHAN ALFIYABANO IRFAN AHMED	SYBSC	32	Chemistry, Zoology
2946184	SURWASE AMIT NITIN	SYBSC	43	Chemistry, Zoology
2946185	SHAIKH MOHD KAIF MOHD TAYYAB	SYBSC	61	Botony, Zoology
2946188	SHINDE SHRIYA RAJESH	SYBSC	40	Chemistry, Zoology
2946189	SAYED RUSHDA AFTAB ALAM	SYBSC	83	Botony, Zoology
2946190	DALVI NUPOOR MOHAN	SYBSC	29	Chemistry, Zoology
2946193	AKHTAR RAZA SHAIKH SUFIYAN	SYBSC	15	Chemistry, Botony
2946194	KHAN ADIBA PERVAIZ	SYBSC	31	Chemistry, Zoology
2946195	MORYA ANJALI KANAYALAL	SYBSC	72	Botony, Zoology
2946197	KHAN MADIHA JALIL AHMED	SYBSC	95	Botony, Zoology
2946199	SAYED BUSHRA AFTAB ALAM	SYBSC	81	Botony, Zoology
2946200	KHAN YASIN TOUFEEQ	SYBSC	36	Chemistry, Zoology
2946201	RIZVI WAZIYA SYED MEHRAJ AKHTAR	SYBSC	79	Botony, Zoology
2946202	KADEMANI MANOJ PARSHURAM	SYBSC	71	Botony, Zoology
2946203	UPADHYAY SHIVAM VIJAYKUMAR	SYBSC	57	Physics, Chemistry
2946204	HINGORA AASIYA ILYAS	SYBSC	70	Botony, Zoology
2946205	VEDAK RACHANA CHANDRASHEKHAR	SYBSC	55	Physics, Chemistry
2946206	MALI MANOJ KAILAS	SYBSC	56	Physics, Chemistry
2946209	NAIK DHANUSHA ASHOK	SYBSC	77	Botony, Zoology

2946210	SHAIKH DANISH SADIQ	SYBSC	38	Chemistry, Zoology
2946212	MALVIYA NAFISA MAJID	SYBSC	75	Botony, Zoology
2946213	BANDRE SNEHAL SHARAD	SYBSC	42	Chemistry, Zoology
2946214	KHAN ZOYA NAZIR	SYBSC	50	Physics, Chemistry
2946215	KHAN MARIA RASHID AHMED	SYBSC	96	Botony, Zoology
2946216	SHAIKH UMME SALMA MD UMAR	SYBSC	7	Physics, Maths
2946217	SHAIKH FAHEEM SAJID	SYBSC	52	Physics, Chemistry
2946218	SHAIKH KHALID NAZLE HUSSAIN	SYBSC	12	Chemistry, Botony
2946219	SHAIKH RUKHSANA JAMALUDDIN	SYBSC	39	Chemistry, Zoology
2946220	SALMANI ATIYA REHMAN VAKIL AHMAD	SYBSC	80	Botony, Zoology
2946221	PARANGE ARYAN VIJAY	SYBSC	51	Physics, Chemistry
2946222	SHAIKH NIDA ANIS	SYBSC	92	Botony, Zoology
2946223	SHARMA MANISH	SYBSC	26	Chemistry, Zoology
2946224	BHALDAR SOBIYA ISMAIL	SYBSC	65	Botony, Zoology
2946225	SHAIKH HUDA IMRAN	SYBSC	11	Chemistry, Botony
2946227	SHAIKH SHAMAILA MOHAMMADFARUKH	SYBSC	76	Botony, Zoology
2946229	MD DILDAR AINUL HAQUE	SYBSC	69	Botony, Zoology
2946230	ANSARI ADAN SHAGUFA ZAIUL ISLAM	SYBSC	63	Botony, Zoology
2946231	HUSAIN MD KALAM	SYBSC	98	Botony, Zoology
2946232	SONI GOPAL DHARMESH	SYBSC	13	Chemistry, Botony
2946233	KHAN ANAM IMTIAZ	SYBSC	33	Chemistry, Zoology
2946234	SHAH TAHJEEB BANO NOORULAIN	SYBSC	86	Botony, Zoology
2946235	SHAIKH ALISHA IMRAN	SYBSC	37	Chemistry, Zoology
3072453	ANSARI SHARIQUE ASLAM HUSSAIN	SYBSC	97	Botony, Zoology