

S.Y.B.Sc Foundation Course Syllabus Semester III &



Hindi Vidya Prachar Samiti's

Ramniranjan Jhunjhunwala College

of Arts, Science & Commerce

(Autonomous College)

Affiliated to

UNIVERSITY OF MUMBAI

Syllabus for the S.Y.B.Sc.

Program: B.Sc FOUNDATION COURSE

Program Code: RJSUFC301/401

CBCS

2018-2019

2019-2020

2020-2021

2021-2022

S.Y.B.Sc Foundation Course Syllabus Semester III &

DISTRIBUTION OF TOPICS AND CREDITS

S.Y.B.SC FOUNDATION COURSE SEMESTER III

Course	Nomenclature	Credits	Topics
RJSUFC301	Foundation Course II	02	Module I: Human Rights Violations & Redressal Module II: Dealing with Environmental Concerns Module III: Science and Technology – I Module IV: Soft Skills for Effective Interpersonal Communication

S.Y.B.SC FOUNDATION COURSE SEMESTER IV

RJSUFC401	Foundation Course II	02	Module I: Significant, Contemporary Rights of Citizens Module II: Approaches to understanding Ecology Module III: Science & Technology – II Module IV: Competitive Exams & Soft Skills Module V: General Knowledge
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S.Y.B.Sc Foundation Course Syllabus Semester III &

**Course outcome and Learning Outcome
Paper II**

S.Y.B.SC	Semester: III And IV
<p>Paper II</p> <p>Foundation Course</p> <p>RJSUFC301</p> <p>And</p> <p>RJSUFC401</p>	<p>Course Outcome:</p> <ol style="list-style-type: none"> 1. General Problem-Solving Skills 2. Communication Skills 3. Stress and Conflict Management 4. Writing Skills 5. Understanding Other Disciplines 6. Time Management 7. Groom student to live dignified life. <p>Learning Outcomes:</p> <ol style="list-style-type: none"> i. Students will be sensitized to issues on human rights, ecology, and, science and technology. ii. Develop a basic understanding about issues related to Human Rights of weaker sections, ecology, and science and technology. iii. Gain an overview of competitive examinations in certain career choices. iv. Appreciate the importance of developing a scientific temper towards technology and its use in everyday life.

S.Y.B.Sc Foundation Course Syllabus Semester III &

SEMESTER III		L	Cr
Paper-II: Foundation Course	Paper Code: RJSUFC301	45	2
UNIT I		13	
Human Rights Violations & Redressal			
1	Scheduled Castes & Scheduled Tribes – Rights, Forms of Violations & Redressal Mechanisms		
2	Women and Children – Forms of Violations & Redressal Mechanisms		
3	Minorities, People with disabilities and the elderly – Forms of Violations & Redressal Mechanisms		
UNIT II		12	
Dealing with Environmental Concerns			
1	Concept of Disaster and general effects of disaster on human life – physical, psychological, economic and social effects		
2	Dealing with Disasters –Prevention, Mitigation (Relief & Rehabilitation) and Disaster Management		
3	Human Rights issues in addressing disasters – compensation, equitable and fair distribution of relief, humanitarian approach to resettlement and rehabilitation		
UNIT III		10	
Science and Technology – I			
1	Nature of Science – Principles and Characteristics, Science as empirical, practical, theoretical, validated knowledge		

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2	Science & Superstition – role of science in exploding myths, blind beliefs & prejudices, Science & scientific temper		
3	Science in everyday life – technology, its meaning & role in development, interrelation & distinction between science & technology		
UNIT IV		10	
Soft Skills for Effective Interpersonal Communication			
1	Effective listening skills – importance & features, Public Speaking / Presentation Skills		

SEMESTER IV		L	Cr
Paper-II Foundation Course	Paper Code: RJSUFC401	45	2
UNIT I		12	
Significant, Contemporary Rights of Citizens			
1	Rights of Consumers: 1. Consumer Rights and Violation of Consumer Rights 2. Consumer Protection Act 1986 & Consumer Protection Bill 2015 3. Consumer Courts and Consumer Movements		
2	Right to Information: 1. Transparency & Accountability 2. Important provisions of the RTI Act, 2005 3. Some Success Stories		
3	Public Interest Litigation: 1. Need for PIL 2. Procedure to file a PIL 3. Some landmark cases		

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UNIT II		11	
Approaches to understanding Ecology			
1	Understanding approaches to ecology: Anthropocentrism, Biocentrism and Eco Centrist; Deep Ecology and Eco Spiritualism		
2	Environmental Principles I: The Sustainability Principle, Carbon Credit, The Polluter Pays Principle		
3.	Environmental Principles II: The Equity Principle, Human Rights Principles, The Participation Principle		
UNIT III		11	
Science & Technology – II			
1	Laser Technology – Uses		
2	Information & Communication Technology – Uses		
3	Nanotechnology – Uses		
4	Issues of Control, Access & Misuse of Technology		
UNIT IV		11	
Competitive Exams & Soft Skills			
1	UPSC, SSC, SPSC, Banking & NET/SET		
2	Motivation: Maslow & McGregor		
3	Goal Setting (SMART), Stephen Covey's concept of human endowment		
4	Time Management		

S.Y.B.Sc Foundation Course Syllabus Semester III &

References:

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3. Bhatnagar Mamata 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.
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8. Murthy, D. B. N., *Disastter Management: Text and Case Studies*, Deep and Deep Publications, New Delhi, 2013.
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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.