



**JAI HIND COLLEGE  
BASANTSING INSTITUTE OF SCIENCE  
&  
J.T.LALVANI COLLEGE OF COMMERCE  
(AUTONOMOUS)**

"A" Road, Churchgate, Mumbai - 400 020, India

**Affiliated to  
University of Mumbai**

Program: BSc

Proposed Course: Foundation Course

Semester: IV

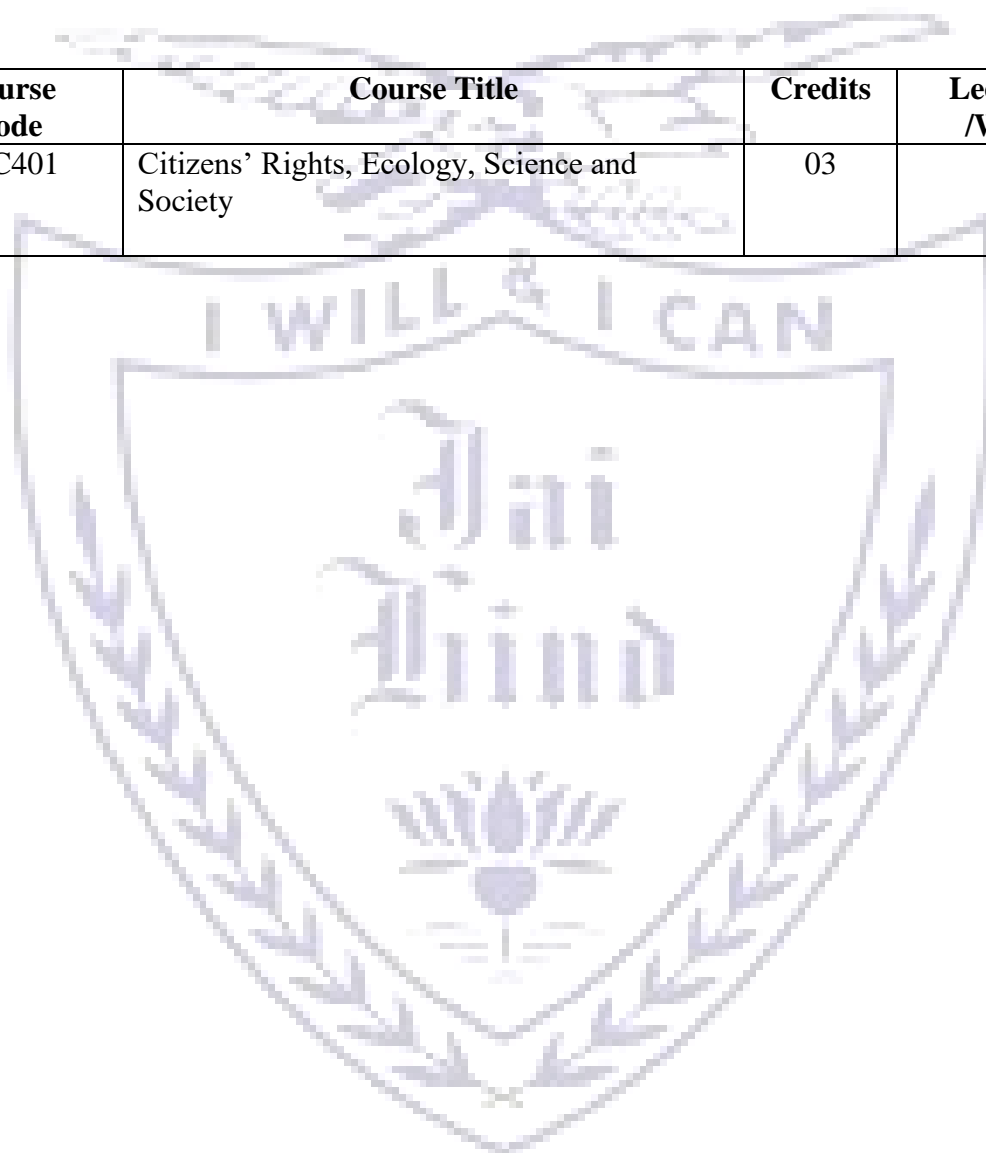
**Credit Based Semester and Grading System (CBGS) with effect from  
the academic year 2020-2021**

***S.Y. B.SC Foundation Course Syllabus***

Academic year: 2020-2021

Semester: IV

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Lectures /Week</b>
SFC401	Citizens' Rights, Ecology, Science and Society	03	03



## Semester IV – Theory

<b>Course: Code</b>  <b>SFC401</b>	<b>Course Title Citizens’ Rights, Ecology, Science and Society</b>  <b>Credits:3 - Lectures :3 per week</b>	
	<b>Objectives:</b> <ul style="list-style-type: none"> <li>➤ To make the students aware of the rights of consumers, significance of RTI and PIL as a powerful tool for effective governance</li> <li>➤ To develop a basic understanding about the various approaches to the study of ecology</li> <li>➤ To analyse the impact of different innovations in technology that affect human life</li> <li>➤ To present basic information on competitive examinations that can benefit the students</li> <li>➤ To provide information on the likely areas tested as soft skills for competitive examinations.</li> </ul> <b>Outcomes:</b> The students will be able to effectively use the different contemporary rights of citizens in an effective and judicious way for his/her and for the benefit of the society. Corrective steps could be designed to reduce the damaging effects of human activities on the environment. Awareness will be created regarding the responsible role a citizen can play in sustainable development. An understanding of the application of different technologies for maximum benefit of the society will prove useful to avert misuse of these technologies. Knowledge of different soft skills gained will assist them to choose and appear in the competitive examinations.	
<b>Unit I</b>	<b>Rights of Citizens</b> <ul style="list-style-type: none"> <li>a) Right to Information- important provisions of the Right to Information Act 2005 and Operational mechanisms</li> <li>b) Rights of Consumers-Violations of consumer rights and important provisions of the Consumer Protection Act, 2016; Consumer courts and its functioning</li> <li>c) (i) Public Interest Litigation, NC &amp; FIR (ii) Citizens Charters, PCA &amp; Right to complain bribery</li> </ul>	<b>12 L</b>
<b>Unit II</b>	<b>Approaches to understanding Ecology</b> <ul style="list-style-type: none"> <li>a) Overview of different approaches to Ecology</li> <li>b) Environmental Principles I: the sustainability principle; the polluter pays principle; the precautionary principle.</li> <li>c) Environmental Principles II: the equity principle; human rights principles; the participation principle.</li> </ul>	<b>11 L</b>

Unit III	<p><b>Science Technology and Society</b></p> <p>a) Information and Communication Technology- uses and misuse.</p> <p>b) Biotechnology and Genetic engineering- uses and misuse.</p> <p>c) Satellite Technology- uses and misuse.</p>	11 L
Unit IV	<p><b>Introduction to Competitive Examinations</b></p> <p>a) Basic information on Competitive Examinations- the pattern, eligibility criteria and local centres</p> <p>i. <b>Government examinations</b> (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).</p> <p>ii. <b>Professional Examinations</b> (Graduate Record Examinations (GRE), Graduate Management Admission Test GMAT), Common Admission Test (CAT) and Scholastic Aptitude Test (SAT))</p> <p>b) Soft skills required for competitive examinations</p> <p>i) Information on areas tested: Quantitative Ability, Data Interpretation, Verbal Ability and Logical Reasoning, Creativity and Lateral Thinking</p> <p>c) Time Management</p>	11 L
<p><b>Essential Readings</b></p> <ol style="list-style-type: none"> <li>1. Das, P.K. (2016).<i>Handbook on the Right to Information Act</i>. Universal Law Publishing</li> <li>2. Mohapatra, Ray, Arun.(2003).<i>Public Interest Litigation and Human rights in India</i>. Radha Publications.</li> <li>3. Myeni, S.R. (2010).<i>Consumer Protection law</i>. Asia Law House.</li> </ol>		

4. Sharma, P.D.(2011).*Ecology and Environment*. Rastogi Publication.
5. Toussaint, Caramel.(2007).*Technology and Society: Rewards and Challenges*. Phronetech Writing.
6. Wilson.(2008).*Goal Setting: How to create an Action Plan and Achieve your Goals*. Amacom.

**Suggested Readings:**

1. Aggarwal R.S. (2008).*Quantitative Aptitude for Competitive Examinations*. S. Chand and CO.
2. Andrews, Claire. (2015).*Enforcement of Consumer Rights and Protections*. Butterworths laws.
3. Godbole Nina, Belapure Sunita. (2011).*Cyber Security*. Wiley Publisher.
4. Hourdequin, Marion. (2015).*Environmental Ethics from theory to practice*. Bloomsburg Academic.
5. Khare Pulkitt. (2014).*Essays for Civil Service and other Competitive Examinations*. Arihant Publications.
6. Maini, Anil, Varsha, Agrawal.(2010).*Satellite Technology: Principles and Applications*. Wiley.
7. Menon, R.V.G. (2010).*Technology and Society*. India, Pearson Education.
8. Mohammad, Kamalun, Nabi. (2015).*Consumer Rights and Protection in India*. New Century Publications.
9. Morgenston, Julie. (2004). *Time Management From the Inside Out*. Holt Paperbacks.
10. Naib, Sudhir. (2011).*The Right to information Act 2005 A Handbook*. Oxford University Press.
11. Rajaram, Kalpana. (2016).*Developments in Science and Technology*. Spectrum Books Pvt Ltd.
12. Rajaraman, V. (2013).*Introduction to Information Technology*. Prentice Hall India Learning Private limited.
13. Rajendra Mangari. (2016).*First Information Report*. Asia Law House.
14. Rao, Mamta. (2004).*Public Interest Litigation in India: A Renaissance in Social Justice*. Eastern Book Co.
15. Roy, Aruna. (2018).*The RTI Story: Power to the People*. Roli Books.

16. Sharma Arun. (2017).*How to prepare for Data Interpretation for CAT*. Mcgraw Hill Education.
17. Sharma Vakul. (2016).*Information Technology Law and Practice-Cyber laws and Laws relating to E –commerce*. Arihant Publications.
18. Sijwali, B.S, Sijwali, Indu. (2014).*A new Approach to Reasoning Verbal, Non Verbal and Analytical*.Arihant Publications.
19. Sithannan V. (2016).*Police Investigation Powers, Tactics and Techniques Volume 1 and 2*.Jeywin Publications.
20. Shukla Namrata. (2017).*Police Diaries Statements, Reports and Investigation (Lawmanns Book)*.Kamal Publishers.
21. Smith, M. Thomas, Smith, Leo, Robert. (2011).*Elements of Ecology*. Pearson Benjamin Cummings.
22. Sridhar Madabhushi. (2015).*FIR, Arrest and Bail*. Asia Law House.
23. Taylor ,W Paul.(2011).*Respect for Nature: A Theory of Environmental Ethics*. Princeton University Press.
24. Verma Rajesh. (2018).*Fast Track Objective Arithmetic*. Arihant Publication.

# Evaluation Scheme

## Evaluation Scheme for Theory courses

### I. Continuous Assessment ( C.A.) - 40 Marks

- (i) C.A.-I: Test – 20 Marks of 40 mins. duration
- (ii) C.A.-II : - 20 Marks-Assignment/Project /Presentations/Role Plays/Review of Documentaries/ Review of Article

### II. Semester End Examination ( SEE)- 60 Marks

#### For Online:

Paper Pattern to be a combination of MCQ/ objective questions and Subjective questions:

#### For Offline:

- Q.1 Answer any 4 concepts out of eight-(12 marks)
- Q.2 Answer any one out of two- (10 marks)
- Q.3 Answer any one out of two- (10 marks)
- Q.4 Answer any one out of two- (10 marks)
- Q.5 Answer any one out of two- (10 marks)
- Q.6 Application Based Questions on the class room teachings (08 marks)