

**SES's L.S.RAHEJA COLLEGE OF ARTS AND COMMERCE  
(AUTONOMOUS)**



**Syllabus of Environment Education for Sustainable Development under NEP 2020 Vertical - VEC with effect from 2024-25**

**Department of Commerce & Management**

**Head of the Department/Sr. Person: Prof. Dr. Anupama Nerurkar**

**Date of approval by the Board of Studies (Commerce & Management): 25/04/2024**

**Approved by the Academic Council on: 29/04/2024**

**Ratified by the Governing Body on: 06/05/2024**



<b>Programme: Bachelor of Commerce (Financial Markets)</b>			<b>Semester : I</b>		
<b>Course :Environment Education for SustainableDevelopment (VEC)</b> <b>Academic Year: 2024-2025      Batch: 2024-2027</b>			<b>Code: UGBFMIVEC24</b>		
<b>Teaching Scheme</b>			<b>Evaluation Scheme</b>		
<b>Lectures</b>	<b>Practical</b>	<b>Tutorials</b>	<b>Credits</b>	<b>Internal Continuous Assessment (ICA) (weightage)</b>	<b>Term End Examinations(TEE) (weightage)</b>
<b>30</b>	<b>Nil</b>	<b>Nil</b>	02	20 marks/40% of the total marks	30 marks/60% of the total marks

<b>Learning Objectives :</b>	<ul style="list-style-type: none"> <li>To understand the key components of the environment and the significance of biodiversity</li> <li>To understand the concept of sustainable development.</li> </ul>
<b>Learning Outcomes :</b>	<ul style="list-style-type: none"> <li>Apply concepts of environmental conservation to protect biodiversity</li> <li>Apply sustainable development Principles in real-world scenarios.</li> </ul>
<b>Pedagogy:</b>	Interactive discussions, Case studies, Group activities, Role plays

<b>Module</b>	<b>Module Content</b>	<b>Module Wise Pedagogy Used</b>	<b>Module Wise Duration/ Lectures</b>
I	<b>Environment and Bio-diveristy</b> <ul style="list-style-type: none"> <li>Meaning of Environment, Components of Environment, Environmental degradation, Need and Significance of environmental educaion.</li> </ul>	Classroom lecture and group discussion	15 lecs

	<ul style="list-style-type: none"> <li>• Biodiversity: Definition; importance of Biodiversity - ecological, consumptive, productive, social, ethical and moral, aesthetic, and option value.</li> <li>• Conservation of biodiversity: In-situ and ex-situ conservation of biodiversity</li> </ul>		
II	<p><b>Concept of sustainable development</b></p> <ul style="list-style-type: none"> <li>• Concept of sustainability and sustainable development with judicious use of land, water and forest resources; afforestation.</li> <li>• Control measures for various types of pollution; use of renewable and alternate sources of energy</li> <li>• Millenium development goals to sustainable development goals</li> </ul>	Classroom lecture, assignment and case study with current examples	15 lecs

## REFERENCE BOOKS

1. Maiti, S. K. (2003). *Handbook of methods in environmental studies* (Vol. 2, pp. 110-121). Jaipur: ABD publishers.
2. Kumar, A. (2008). *Environmental Science: Appreciation And Perception*. Daya Books.
3. Tomkin, J., & Theis, T. (2013). *Sustainability: A Comprehensive Foundation*. OpenStax CNX.
4. Rajagopalan, R. (2015). *Environmental studies: from crisis to cure* (No. Ed. 3, pp. 424-pp).
5. Pandey, N. (2021). *The Handbook of Developmental Disabilities and Rehabilitation*. Partridge Publishing.
6. Saravanan, K., & Sakthinathan, G. (Eds.). (2021). *Handbook of green engineering technologies for sustainable smart cities*. CRC Press.

**QUESTION PAPER PATTERN**  
**Internal Continuous Assessment (ICA) Pattern**

Particulars	Marks
Presentation/Viva Voce	10
Assignment/Project	10
Total	20

Maximum Marks: 30

Duration: 1 Hour

All questions are compulsory.

Question No.	Description	Total Marks
1	A. Full Length Theory Question <b>OR</b>	12
	B. Full Length Theory Question	
2	A. Full Length Theory Question <b>OR</b>	12
	B. Full Length Theory Question	
3	Short Notes ( <b>Any 2 out of 3</b> )	6

The Full-length theory questions of 12 marks each may be split up into two smaller problems carrying 6 markseach.