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

Programme: Bachelor of Commerce(Banking and Insurance)					Semester : I
Course : Environment Education for Sustainable Development Academic Year: 2024-2025 Batch: 2024-2027					Code: UGBBIIVEC24
Teaching Scheme			Evaluation Scheme		
Lectures	Practical	Tutorials	Credits	Internal Continuous Assessment (ICA) (weightage)	Term End Examinations(TEE) (weightage)
30	Nil	Nil	02	20 marks/40% of the total marks	30 marks/60% of the total marks

Learning Objectives :	• **To understand the key components of the environment and the significance ofbiodiversity** • **To understand the concept ofsustainable development.**
Learning Outcomes :	• **Apply concepts of environmental conservation to protect biodiversity** • **Apply sustainable development Principles in real-world scenarios.**
Pedagogy:	**Interactive discussions, Case studies, Group activities, Role plays**

Each lecture session would be of one hour duration (30 sessions).

Module	Module Content	Module Wise Pedagogy Used	Module Wise Duration/ Lectures
I	**Environment and Bio-diveristy** • Meaning of Environment, Components of Environment, Environmental degradation, Need and Significance of environmental eductaion.	Classroom lecture and group discussion	15 lecs

	• Biodiversity: Definition; importance of Biodiversity - ecological, consumptive, productive, social, ethical and moral, aesthetic, and option value. • Conservation of biodiversity: In-situ and ex-situ conservation of biodiversity		
II	**Concept of sustainable development** • Concept of sustainability and sustainable development with judicious use of land, water and forest resources; afforestation. • Control measures for various types of pollution; use of renewable and alternate sources of energy • Millenium development goals to sustainable development goals	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 **OR**	12
	B. Full Length Theory Question	
2	A. Full Length Theory Question **OR**	12
	B. Full Length Theory Question	
3	Short Notes (**Any 2 out of 3**)	6

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