

Satyug Darshan Institute of Engineering & Technology, Faridabad

Department of Computer Science and Engineering

Academic year 2025-26

Programme: BCA	Year & Semester: 2025-sem 1
Course Name: EVS-I	Course Code: VAC-101-V
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Unit I

Short answer questions

Q.N.	Question	KL
1	What are the fundamental environmental concepts relevant to business operations?	KL2
2	Define the components and segments of the environment.	KL1
3	What is meant by the man–environment relationship?	KL1
4	Name two major historical environmental movements in India and state their objectives.	KL1
5	Define sustainability and explain its importance in modern development.	KL2
6	What are renewable and non-renewable natural resources? Give one example of each.	KL1
7	Mention any two issues related to the overutilization of natural resources.	KL2
8	What do you understand by intergenerational and intragenerational equity?	KL2
9	List any two strategies for the conservation of natural resources.	KL2
10	Why is public awareness and environmental education important for sustainable development?	KL2

Long answer questions

Q.N.	Question	KL
1	Discuss the fundamental environmental concepts and explain their relevance to business operations in the context of sustainable development.	KL3
2	Describe the components and segments of the environment. How do they interact to maintain ecological balance?	KL3
3	Explain the relationship between man and the environment with examples from history and current global issues.	KL3
4	Trace the evolution of environmental movements in India. Discuss the significance of movements like the Chipko Movement and Narmada Bachao Andolan.	KL4
5	Define the concept of sustainability. How can it be integrated into resource management and business practices?	KL4
6	Explain the classification of natural resources and analyze the problems caused by their overexploitation. Suggest suitable conservation strategies.	KL4
7	Describe sustainable practices in managing resources, with special reference to deforestation, water conservation, energy security, and food security.	KL4
8	Discuss the concept of equitable use of resources in relation to intergenerational and intragenerational equity. Why is public participation and awareness essential for achieving this balance?	KL4

Unit II

Short answer questions

Q.N.	Question	KL
1	What is an ecosystem?	KL1
2	Define the structure of an ecosystem.	KL1
3	What are the two main functions of an ecosystem?	KL1
4	What is biodiversity and why is it important?	KL2
5	Mention any two major threats to biodiversity.	KL2

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6	What is meant by ecosystem resilience?	KL2
7	Define the term homeostasis in the context of ecology.	KL2
8	What is carrying capacity and why is it significant?	KL2
9	Differentiate between in situ and ex situ conservation methods.	KL3
10	Why is India known as a mega-diverse nation?	KL2

Long answer questions

Q.N.	Question	KL
1	Describe the structure, functions, and ecological characteristics of different types of natural ecosystems (e.g., forest, grassland, desert, and aquatic).	KL3
2	Explain the importance of biodiversity and discuss the major threats to it in the modern world.	KL3
3	Discuss the methods of biodiversity conservation and the role of protected areas in preserving ecological balance.	KL4
4	Explain the concepts of ecosystem resilience, homeostasis, and carrying capacity, and discuss their importance in sustainable ecosystem management.	KL4
5	Differentiate between in situ and ex situ conservation. Give suitable examples of each and describe their significance.	KL4
6	Write a note on nature reserves and biosphere reserves. How do they contribute to biodiversity conservation?	KL4
7	Explain why India is regarded as a mega-diverse country. Mention some of its unique ecosystems and biodiversity hotspots.	KL4

Unit-III

Short answer questions

Q.N.	Question	KL
1.	What is environmental pollution?	KL1
2.	List the major types of pollution affecting the environment.	KL1
3.	Define air pollution and mention its main causes.	KL1
4.	What is water pollution? Give one example of its source.	KL1
5.	Write a short note on noise pollution and its harmful effects.	KL2
6.	What is marine pollution and how does it impact aquatic life?	KL2
7.	Define the greenhouse effect.	KL2
8.	What is acid rain and what are its consequences?	KL2

Long answer questions

Q.N.	Question	KL
1	Discuss the constitutional and legislative framework for environmental protection in India, referring to key articles and major environmental acts.	KL3
2	Explain the objectives, structure, and benefits of ISO 14001 as part of the Environmental Management System (EMS).	KL3
3	Describe the process and importance of Environmental Audit and Environmental Impact Assessment (EIA) in promoting sustainable development.	KL3
4	Elaborate on pollution control and waste management measures in India, highlighting the role of pollution control boards.	KL4

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5	Discuss the concept of the 3Rs and Ecolabeling/Eco Mark schemes, explaining how they contribute to sustainability and responsible consumption.	KL4
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Unit-IV

Short answer questions

Q.N.	Question	KL
1	What do you understand by the interaction between society and the environment?	KL2
2	Define sustainable development in simple terms.	KL1
3	What is meant by environmental ethics?	KL2
4	Explain the role of businesses in achieving the Sustainable Development Goals (SDGs).	KL2
5	What is responsible consumption, and why is it important?	KL2
6	State the main objective of the Water (Prevention and Control of Pollution) Act, 1974.	KL1
7	Mention one major provision of the Environment (Protection) Act, 1986.	KL1
8	What is the aim of the Air (Prevention and Control of Pollution) Act, 1981?	KL1
9	Who are environmental refugees, and what causes their displacement?	KL2
10	What is ecological economics, and how does it differ from traditional economics?	KL3

Long answer questions

Q.N.	Question	KL
1	Discuss the dynamic interactions between society and the environment and explain how these relationships influence sustainable development and environmental ethics.	KL3
2	Describe the role of businesses in promoting sustainable development, achieving the UN Sustainable Development Goals (SDGs), and ensuring responsible consumption and production.	KL4
3	Explain the major environmental legislations in India — Water Act (1974), Air Act (1981), and Environment Protection Act (1986) — and the judiciary's role in enforcing environmental protection.	KL4
4	Define environmental justice. Discuss issues related to environmental refugees and the resettlement and rehabilitation of affected populations.	KL4
5	What is ecological economics? Analyze how human population growth and demographic changes in India impact the environment and sustainable resource management.	KL4