CBCS SCHEME

SRI SAIRAM COLLEGE OF ENGG

USN | | | | | | | | | | |

BCV654D

Sixth Semester B.E./B.Tech. Degree Examination, June/July 2025
Sustainable Development Goals

Time: 3 hrs. Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.

		Module – 1	M	L	C
Q.1	a.	Explain the Brundtlands report of 1987 in progress of sustainable development goals.	10	L2	CO1
	b.	List out the 17 sustainable development goals and explain any four in detail with examples.	10	L1	CO1
		OR			
Q.2	a.	Describe the various environmental threats aligned with sustainable development goals.	10	L2	CO1
	b.	Make a comparison study with business as usual vs sustainable development.	10	L2	CO1
		Module – 2			
Q.3	a.	Write a note on urbanization patterns around the world.	10	L1	CO2
	b.	List out the various key components of the smart infrastructure and explain the same with the help of a case study.	10	L1	CO2
		OR			
Q.4	a.	Explain urban resilience and the strategies for building the same.	10	L2	CO1 CO2
	b.	With the help of a case study, explain the key strategies and challenges required for development and planning of sustainable city.	10	L2	CO2
		Module – 3			
Q.5	a.	Write a note on curbing and science of climate change involved in sustainable development.	10	L2	CO2
	b.	Discuss on various key strategies of mitigation and adaptation involved in climate change.	10	L2	CO2
		OR			
Q.6	a.	List out the various mitigation policies in curbing of climate change.	10	L1	CO3
	b.	Write a note on Paris Treaty Agreement of 2014 and consequences of climate change aligned with sustainable development.	10	L2	CO3

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		Module – 4			
Q.7	**a.**	Explain the various levels biodiversity and importance of the same.	**10**	**L2**	**CO3**
	b.	List out the various threats of biodiversity and its impacts on environment.	**10**	**L1**	**CO3 CO4**
		OR			
Q.8	**a.**	Discuss the international factors contributing to deforestation and analyse how global trade and consumption influence forest degradation in developing countries.	**10**	**L4**	**CO4**
	b.	Evaluate the strategies adopted globally to promote sustainable fisheries and ocean conservation.	**10**	**L5**	**CO4**
		Module – 5			
Q.9	**a.**	With a neat flow chart, explain the key features and benefits of goal based development.	**10**	**L2**	**CO4**
	b.	Describe the financing sustainable development in India.	**10**	**L2**	**CO4**
		OR			
Q.10	**a.**	Analyze on how governance is helping or hindering sustainable development goal achievement.	**10**	**L2**	**CO4**
	b.	Explain the various factors and challenges regarding feasibility of sustainable development.	**10**	**L2**	**CO4**

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