Goa Vidyaprasarak Mandal's GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE AND ECONOMICS FARMAGUDI, PONDA – GOA B.COM. UGC-CCFUP (SEMESTER-I) REGULAR EXAMINATION NOVEMBER 2023 ECO-131 – SUSTAINABLE DEVELOPMENT

Time: 2 Hours

Marks: 60

INSTRUCTIONS: 1) All questions are compulsory. 2) Figures to the right indicate marks.

Q.1) Answer <u>any six</u> from the following:

(6 x 2 = 12 Marks)

- (1) Define Sustainable Development as given by Brundtland Commission.
- (2) State any four objectives of sustainable development.
- (3) Match the items of Column A with Column B

Sr. No.	Column A	Sr. No.	Column B
1	Clean Water & Sanitation	а	SDG 11
2	Affordable & Clean Energy	b	SDG 7
3	Sustainable Cities & Communities	с	SDG 13
4	Climate Action	d	SDG 12
		e	SDG 6

- (4) What do you mean by Climate Change Adaptation & Mitigation?
- (5) List the measures undertaken for climate change adaptation.
- (6) Define the concept of Green Gross Domestic Product (Green GDP).
- (7) State the meaning of Green Technology?
- (8) List **any four** strategies adopted under National Environmental Policy 2006.
- (9) Match the items of Column A with Column B

Sr. No.	Column A	Sr. No.	Column B
1	Jal Jeevan Mission	а	Smart Cities
2	Swachh Bharat Mission	b	Waste Management
3	5 "R"	с	Jal Shakti Ministry
4	LEED	d	Green Building rating
		e	Eliminate open defecation

Q.2.A) Describe in brief any four sustainable development goals.	(6 Marks)		
Q.2.B) Describe the causes of climate change.	(6 Marks)		
Q.3.A) Give an outline of the three pillars of sustainable development.	(6 Marks)		
Q.3.B) Summarize the impact of climate change. OR	(6 Marks)		
Q.3.C) Describe any three types of green technologies.	(6 Marks)		
Q.4.A) Explain the dimensions of sustainable development.	(6 Marks)		
Q.4.B) Give an outline of the following sustainability indicators: X) Genuine Savings and Y) Ecological Footprint OR	(6 Marks)		
Q.4.C) Describe any three advantages of sustainable agriculture.	(6 Marks)		
Q.5.A) Explain the general mitigation measures adopted for tackling the climate change.	(6 Marks)		
Q.5.B) Identify in detail any three areas wherein green technology is applied. OR			
Q.5.C) Explain any three methods of sustainable farming.			

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