STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086
(For Candidates admitted during the academic year 2023 – 2024 & thereafter)

B.A. DEGREE EXAMINATION NOVEMBER 2024
BRANCH IV – ECONOMICS
THIRD SEMESTER

COURSE   : MAJOR - CORE
PAPER   : ENVIRONMENTAL ECONOMICS
SUBJECT CODE: 23EC/MC/EE33
TIME   : 3 HOURS   MAX. MARKS: 100

Q. No.	SECTION A Part A (10x2=20) Answer all questions in 50 words each	CO	KL
1.	Define Environmental Economics?	1	K1
2.	Recall the characteristic of public good.	1	K1
3.	Classify the various techniques available to measure environmental benefits.	1	K1
4.	What do you mean by economics of pollution?	1	K1
5.	Write down the indicators of sustainable development.	1	K1
6.	Illustrate the difference between direct use value and indirect use value of environment with an example.	1	K1
7.	What are Property Rights?	1	K1
8.	Distinguish between exhaustible and inexhaustible resources.	1	K1
9.	Why is ozone depletion considered as a transboundary environmental problem?	1	K1
10.	Mention the causes of resource scarcity.	1	K1
	SECTION-A **Part B** **(10x2=20)** **Answer any 10 out of 12 questions in 50 words each**	CO	KL
11	Draw a graph to show a negative production externality.	2	K2
12	Define free rider problem.	2	K2
13	How is the optimal level of pollution determined?	2	K2

14	What are the main objectives of implementing a marketable permit system?	2	K2
15.	Outline the scope of Environmental Economics.	2	K2
16	Mention any two limitations of Contingent valuation method.		
17.	Differentiate between weak and strong sustainability.	2	K2
18	List any two economic instruments which regulates pollution.	2	K2
19	Give an example of regenerative capacity of natural resources.	2	K2
20	State the components of Total Economic Value.	2	K2
21	What are externalities? Give examples.	2	K2
22	Show the conditions for the optimal provision of a public good.	2	K2
Q. No.	**SECTION B** **Part A** **(4x5=20)** **Answer any 4 out of 6 questions in 250 words each**	**CO**	**KL**
23	Explain the linkages between environment and economy.	3	K3
24	How does the Total Economic Value (TEV) framework help in decision-making for environmental conservation?	3	K3
25	Identify the causes, extent and effect of ozone depletion	3	K3
26	Provide a brief overview of trans-border environmental issues	3	K3
27	Using a suitable diagram describe and illustrate the different types of externalities.	3	K3
28	Identify the major challenges in implementing climate change policies and how these challenges can impact economic stability.	3	K3
	SECTION B **Part B** **(4x5=20)** **Answer any 4 out of 6 questions in 250 words each**	**CO**	**KL**
29	Examine the rationale for a pollution tax/charge. Discuss its merits and limitations.	4	K4

30	Compare and contrast travel cost model and hedonic pricing method.	4	K4
31	Evaluate the effectiveness of Pigouvian fee in addressing negative externalities and its impact on polluters behavior and overall environmental quality.	4	K4
32	Economic Development can have a negative impact on environmental degradation. Explain with reference to Environmental Kuznets Curve.	4	K4
33	The Coase theorem argues that under certain conditions the assignment of property rights will lead to bargaining between the two affected parties such that an efficient solution can be obtained. Explain	4	K4
34	Explain the linkages between Environment and Economy.	4	K4
Q. No.	**SECTION C** **Answer any 2 out of 4 questions in 600 words** **(2x10=20)**	**CO**	**KL**
35	Using a case study, explain the steps of Contingent valuation method (CVM) and how the results of the CVM case study can be used to support environmental policy or investment decisions.	5	K5
36	Discuss in detail the issues in economics of pollution and its pollution abatement cost to control pollution in India.	5	K5
37	Elucidate the inter-linkage between the Environment and the Economy using the material balance principle.	5	K5
38	Analyze the concept of the "tragedy of the commons" in relation to global environmental challenges. Evaluate potential solutions and their effectiveness in preventing resource overexploitation.	5	K5

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