



GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY
(AN AUTONOMOUS INSTITUTION)
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
(Accredited by NAAC with "A" Grade, NBA (EEE,ECE &ME) & ISO9001:2008 Certified Institution)

QUESTIONBANK(DESCRIPTIVE)

Subject Name with Code: ENVIRONMENTAL ECONOMICS & 22A0150T

Course & Branch: B.Tech-CS & DS

Year& Semester: III & II

Regulation: RG22

UNIT - I

S.No.	Question	[BT Level] [CO][Marks]
2 Marks Questions (Short)		
1.	Give a note on backstop technology.	L2 CO1 2M
2.	Write the different forms of capital in the view of sustainable development.	L2 CO1 2M
3.	What type of studies are included in environmental economics?	L2 CO1 2M
4.	Define non-renewable energy.	L2 CO1 2M
5.	List out core elements of sustainable development	L2 CO1 2M
6.	List out some of SDG's.	L2 CO1 2M
7.	List out some of global initiatives on sustainable development	L2 CO1 2M
8.	Define economic environment	L2 CO1 2M
9.	List out types of economic system	L2 CO1 2M
10.	Define EKC	L2 CO1 2M
Descriptive Questions (Long)		
11.	Explain need and global issues related to sustainable development	L2 CO1 12M
12.	Write a brief note on i. Backstop technology ii. Property research iii. Conversion of uncertainty	L2 CO1 12M
13.	Explain Hotellings theory in optimal extraction of non renewable resources	L2 CO1 12M
14.	Explain implication of environment Kuznet curve using a case study	L2 CO1 12M
15.	Explain the concept of sustainable development	L2 CO1 12M
16.	Elaborate on how environmental economics plays a crucial role in sustainable development.	L2 CO1 12M
17.	Justify why environmental quality significantly affects in economics of energy.	L2 CO1 12M
18.	Explain in brief economy and environment inter-linkages.	L2 CO1 12M
19.	Define energy and explain how energy is an important factor for economic development	L2 CO1 12M
20.	What are the causes for the scarcity in non-renewable energy?	L2 CO1 12M

UNIT - II

S.No.	Question	[BT Level] [CO][Marks]
2 Marks Questions (Short)		
1.	Define environmental degradation	L2 CO2 2M
2.	Give an appropriate example of Equi-marginal principle.	L2 CO2 2M
3.	What is policy failure	L2 CO2 2M
4.	List out human factors effect environmental degradation	L2 CO2 2M
5.	Define pigovian tax	L2 CO2 2M
6.	Define positive externality	L2 CO2 2M
7.	List out types of environmental degradation	L2 CO2 2M
8.	Define market failure	L2 CO2 2M
9.	Write equation for equal marginal principle	L2 CO2 2M
10.	List out natural factors effect environmental degradation	L2 CO2 2M
Descriptive Questions (Long)		
11.	Explain Environmental degradation with help of flow chart and solutions to environmental degradation	L2 CO2 12M

12.	Explain externality and types of externality in detail	L2 CO2 12M
13.	What are corrective instruments for externality and how can we identify externality	L2 CO2 12M
14.	Explain Equi marginal principle	L2 CO2 12M
15.	Explain How economists measure externality and how externality will effect economy.	L2 CO2 12M
16.	What are the causes and effects of environmental degradation?	L2 CO2 12M
17.	Give a detailed economic analysis on environmental degradation	L2 CO2 12M
18.	Discuss in brief the concepts of policy failure in environmental degradation.	L2 CO2 12M
19.	With one example explain how developmental activity is responsible for environmental degradation	L2 CO2 12M
20.	Brief the concept of: (a) Policy failure. (b) Externalities. (c) Market failure.	L2 CO2 12M

UNIT - III

S.No.	Question	[BT Level] [CO][Marks]
2 Marks Questions (Short)		
1.	How economics is useful for the study of pollution	L2 CO3 2M
2.	What is one officer-one ward programme?	L2 CO3 2M
3.	Give a brief note economics of pollution.	L2 CO3 2M
4.	How effective is bargaining solution to manage pollution?	L2 CO3 2M
5.	Define Economics of optimal pollution	L2 CO3 2M
6.	List out some of bargaining solutions in economics of pollution	L2 CO3 2M
7.	Define enforcement in regulations	L2 CO3 2M
8.	How public participation will impact to reduce economics of pollution	L2 CO3 2M
9.	Abbreviate SMC and PMC	L2 CO3 2M
10.	Define revenue use	L2 CO3 2M
Descriptive Questions (Long)		
11.	Explain marginal social cost and benefit of pollution with examples	L2 CO3 12M
12.	Explain regulations in environmental economics	L2 CO3 12M
13.	Explain monitoring and enforcement of economics of pollution	L2 CO3 12M
14.	Explain market interventions manage economics of pollution	L2 CO3 12M
15.	Write a note on economic effects by pollution	L2 CO3 12M
16.	In context of economics of pollution discuss about: (a) Optimal pollution. (b) Regulation (c) Monitoring and enforcement.	L2 CO3 12M
17.	Explain in brief about optimal pollution and its regulation.	L2 CO3 12M
18.	Explain the terms taxes, subsidies, in managing the pollution through market intervention	L2 CO3 12M
19.	List and explain the economic losses by pollution.	L2 CO3 12M
20.	Give your view on how (i) Economy affected by pollution (ii) Role of economic in pollution control.	L2 CO3 12M

UNIT - IV

S.No.	Question	[BT Level] [CO][Marks]
2 Marks Questions (Short)		
1.	Define resource.	L2 CO4 2M
2.	Give any four examples for environmental resources.	L2 CO4 2M
3.	Narrate your view on different environmental damages.	L2 CO4 2M
4.	Brief the concept of Total Economic Value	L2 CO4 2M
5.	List out costs in environmental project	L2 CO4 2M
6.	Define loss of ecosystem services	L2 CO4 2M
7.	Define discounting in cost benefit analysis	L2 CO4 2M
8.	Define option values	L2 CO4 2M

9.	How marginal cost is used in cost benefit analysis	L2 CO4 2M
10.	Define existence values	L2 CO4 2M
Descriptive Questions (Long)		
11.	Explain 8 terms used in cost benefit analysis for environmental economics	L2 CO4 12M
12.	Write brief note on i. Existence value ii. Bequest value	L2 CO4 12M
13.	Write brief note on i. Contingent Valuation Method ii. Revealed preference method	L2 CO4 12M
14.	Explain Discounting.	L2 CO4 12M
15.	Explain alternative approaches to valuation	L2 CO4 12M
16.	Write a note on economic value of environmental resources.	L2 CO4 12M
17.	Explain total economic value in detail with flow chart	L2 CO4 12M
18.	Elaborate environmental valuation.	L2 CO4 12M
19.	Explain Cost-benefit analysis in detail	L2 CO4 12M
20.	Write a note on economical value of environmental damage.	L2 CO4 12M

UNIT - V

S.No.	Question	[BT Level] [CO][Marks]
2 Marks Questions (Short)		
1.	What is value of biodiversity?	L2 CO5 2M
2.	Define Biodiversity.	L2 CO5 2M
3.	Differentiate between Individual species and Diversity of species	L2 CO5 2M
4.	Define ecosystem services	L2 CO5 2M
5.	Define cost of biodiversity loss	L2 CO5 2M
6.	Define endangered species	L2 CO5 2M
7.	List types of conservation of biodiversity	L2 CO5 2M
8.	List out economic benefits of climate change	L2 CO5 2M
9.	List out economic losses and challenges of climate change	L2 CO5 2M
10.	Define stern report	L2 CO5 2M
Descriptive Questions (Long)		
11.	Write brief note on i. Ecosystem services ii. Economic Incentives for Conservation	L2 CO5 12M
12.	Explain bio diversity and conservation policy at International Level.	L2 CO5 12M
13.	Write summary of stern report	L2 CO5 12M
14.	Explain strategies proposed by economists for climate change	L2 CO5 12M
15.	Explain bio diversity and conservation policy at National Level	L2 CO5 12M
16.	Write a note on principles of economics of biodiversity.	L2 CO5 12M
17.	Explain the economics of climate change as per stern report	L2 CO5 12M
18.	Explain in brief valuing the individual species and diversity of species.	L2 CO5 12M
19.	Explain how climate change will influence on economics	L2 CO5 12M
20.	Write brief note on i. Environmental Impact Assessment (EIA) ii. Global Environmental Funds and carbon pricing	L2 CO5 12M

Signature of the Staff:

Signature of Department Academic Committee Member 1:

Signature of Department Academic Committee Member 2:

Signature of Department Academic Committee Member 3: