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D 121004	(	Pages	: 6)	Name
				Reg. No
FOUR'	TH SEMESTER M.A. DE	GREE	(REGULAR/S	SUPPLEMENTARY)
	EXAMINAT	ΓΙΟΝ,	<b>APRIL 2025</b>	
		(CBCS	S)	
	I	Econom	ics	
	ECO 4E 04—ENVI	RONM	ENTAL ECONO	MICS
	(2019 Ad	lmissio	n onwards)	
Time: Three H	Iours			Maximum: 30 Weightage
		Part A	A	
	Answe	er <b>all</b> qu	uestions.	
	Each bunch of <b>five</b> qu	estions	carries a weightag	ge of 1.
1. The Ar	ticle "The Tragedy of the Commo	ns" is as	ssociated with:	
(A)	Garret Hardin.	(B)	Ronald Coase.	
(C)	Charles Kolsted.	(C)	A. C. Pigou.	
2. Which	among the following is a problem	that ca	an arise with comn	non property resources ?
(A)	Overuse.	(B)	Underuse.	
(C)	Pollution.	(D)	All of the above.	
3. Which	among the following is a 'use val	lue' of th	ne environment?	
(A)	The value of a forest for provide	ing timb	oer.	
(B)	The value of a lake for recreation	on.		
(C)	The value of a wetland for flood	l contro	l.	

Turn over

(D)

All of the above.

- 4. Which among the following is NOT a key principle of sustainable development?
  - (A) Intergenerational equity.
  - (B) Intragenerational equity.
  - (C) Economic growth.
  - (D) Environmental protection.
- 5. What is meant by "Our Common Future"?
  - (A) A novel by a renowned environmentalist.
  - (B) An international treaty on climate change.
  - (C) A report by the Brundtland Commission on sustainable development.
  - (D) A documentary on environmental conservation.
- 6. Key principles outlined in the Stockholm Declaration were:
  - (A) The responsibility to protect the environment for future generations.
  - (B) The separation of human and natural environments.
  - (C) The right to unrestricted resource extraction.
  - (D) The prioritization of economic growth over environmental protection.
- 7. Marginal external cost is equal to:
  - (A) Marginal social cost minus the marginal private cost.
  - (B) Marginal social cost marginal social benefit.
  - (C) Marginal private cost plus the marginal social cost.
  - (D) Marginal private cost minus marginal social benefit.
- 8. What is a Pigouvian tax?
  - (A) A tax on luxury goods.
  - (B) A tax imposed on harmful activities to internalize external costs.
  - (C) A tax on income to fund government programs.
  - (D) A tax on exports to protect domestic industries.

- 9. What is the second-best theory in environmental economics?
  - (A) A theory about market equilibrium.
  - (B) A theory about the best possible solutions to environmental problems.
  - (C) A theory about suboptimal outcomes in the presence of constraints.
  - (D) A theory about the advantages of government intervention.
- 10. How does the command and control method typically enforce environmental regulations?
  - (A) By offering financial incentives to compliant companies.
  - (B) By providing information and education to the public.
  - (C) By imposing penalties and fines on non-compliant entities.
  - (D) By encouraging voluntary actions without penalties.
- 11. The hedonic pricing method in environmental economics denotes:
  - (A) A method for calculating market equilibrium prices.
  - (B) A technique that focuses on maximizing utility for consumers.
  - (C) A strategy that relies on government subsidies to promote green products.
  - (D) An approach that estimates the value of environmental attributes based on their influence on market prices.
- 12. How does the Contingent Valuation Method handle non-use values of environmental resources?
  - (A) It ignores non-use values and focuses solely on use values.
  - (B) It relies on market prices to estimate non-use values.
  - (C) It uses stated preferences to estimate both use and non-use values.
  - (D) It only considers non-use values when calculating willingness to pay.
- 13. What does the term "Agenda 21" refer to in the context of the Rio Conference?
  - (A) A comprehensive plan of action for sustainable development
  - (B) The conference schedule and timetable.
  - (C) A list of participants in the conference.
  - (D) A declaration of global peace and security.

Turn over

- 14. What is the discount rate used for in cost-benefit analysis?
  - (A) To calculate only the costs of a project.
  - (B) To convert future costs and benefits into present values.
  - (C) To ensure that all environmental benefits are considered.
  - (D) To adjust for inflation without affecting costs and benefits.
- 15. How does the aversion behaviour approach contribute to decision-making in environmental policy?
  - (A) It offers a comprehensive model for predicting environmental outcomes.
  - (B) It focuses solely on punitive measures to prevent negative environmental outcomes.
  - (C) It provides insights into how individuals value avoiding environmental harm.
  - (D) It advocates for market-based solutions to environmental problems.

 $(15 \times 1/5 = 3 \text{ weightage})$ 

## Part B (Very Short Answer Questions)

Answer any **five** questions.

Each question carries a weightage of 1.

- 16. Polluter pays principle.
- 17. Non-use value of the environment.
- 18. Sink function of the environment.
- 19. Marginal External Cost.
- 20. Pollution subsidies.
- 21. Economic incentives for environment management.
- 22. Environmental federation.
- 23. Weak complementarity.

 $(5 \times 1 = 5 \text{ weightage})$ 

### Part C (Short Answer Questions)

Answer any seven questions.

Each question carries a weightage of 2.

- 24. What is the primary cause of ozone depletion, and how do human activities contribute to this phenomenon?
- 25. Explain the role of market failures and externalities in highlighting the need for environmental economics as a framework for policy analysis.
- 26. How can contingent valuation studies provide insights into the non-use values of the environment?
- 27. How does the concept of the "double dividend" relate to Pigouvian taxes, and what are the potential economic benefits that can result from their implementation?
- 28. How does legal liability serve as an economic instrument to deter environmentally harmful behaviour by holding individuals, businesses, and industries accountable for their actions?
- 29. Explain the basic steps involved in conducting a cost-benefit analysis for an environmental project.
- 30. How does the operational meaning of sustainability empower organizations to make environmentally responsible decisions?
- 31. Explain how economic activities and decisions impact the environment, and vice versa?
- 32. What is the command and control method in environmental regulation, and how does it differ from market-based approaches?
- 33. What is the hedonic pricing method, and how does it contribute to estimating the economic value of environmental attributes and amenities?

 $(7 \times 2 = 14 \text{ weightage})$ 

## Part D (Essay Questions)

Answer any **two** questions.

Each question carries a weightage of 4.

34. What are the indirect methods of environmental valuation, and how do they help estimate the economic value of environmental resources and ecosystem services?

Turn over

- 35. What is sustainable development, and how does it balance the needs of the present with the well being of future generations?
- 36. What is the Coase Theorem, and how does it propose that efficient outcomes can be achieved through negotiation and bargaining among parties with conflicting property rights and externalities?
- 37. How might the introduction of tradable pollution permits create economic incentives for industries to reduce pollution levels while fostering efficient resource allocation?

 $(2 \times 4 = 8 \text{ weightage})$ 



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		Pog No

# FOURTH SEMESTER M.A. DEGREE (REGULAR/SUPPLEMENTARY) EXAMINATION, APRIL 2025

(CBCSS)

**Economics** 

ECO 4E 04—ENVIRONMENTAL ECONOMICS

(2019 Admission onwards)

[Improvement Candidates need not appear for MCQ Part]
(Multiple Choice Questions for SDE Candidates)

Time: 20 Minutes Total No. of Questions: 20 Maximum: 5 Weightage

# INSTRUCTIONS TO THE CANDIDATE

- 1. This Question Paper carries Multiple Choice Questions from 1 to 20.
- 2. The candidate should check that the question paper supplied to him/her contains all the 20 questions in serial order.
- 3. Each question is provided with choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and enter it in the main answer-book.
- 4. The MCQ question paper will be supplied after the completion of the descriptive examination.

# ECO 4E 04—ENVIRONMENTAL ECONOMICS

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(Multiple Choice Questions for SDE Candidates)

1.	The ab	sence of property right can lead to	which	of the following problems:
	(A)	Overuse.	(B)	Opportunism.
	(C)	Misuse.	(D)	All of these.
2.		ng the needs of the present generation their needs' is called ———.	n with	out compromising the ability of future generations
	(A)	Efficiency.	(B)	Sustainability.
	(C)	Growth.	(D)	Compounding.
3.	Who is	the author of Silent Spring?		
	(A)	Rachel Carson.	(B)	Garret Hardin.
	(C)	Herman Daly.	(D)	John Braithwaite.
4.	Weak f	orm sustainability says that ———	<del></del> .	
	(A)	All capital stock be intact.		
	(B)	Some part of natural capital stock	be no	on-declining.
	(C)	Natural capital stock can be run d	lown.	
	(D)	All capital stock can be run down.		
5.	The Ma	an and Biosphere Programme was l	launc	hed by ———.
	(A)	UNESCO.	(B)	UNO.
	(C)	UNDP.	(D)	None of these.
6.	Metho	d of calculating price of environmen	ntal g	ood also takes in to account the amenity benefits
	(A)	Market price method.	(B)	Hedonic price method.
	(C)	Opportunity cost method.	(D)	All of these.

			Ů	
7.	Rely on	hypothetical situations to place a	mone	tary value on goods or services.
	(A)	Contingent valuation method.	(B)	Opportunity cost method.
	(C)	Travel cost method.	(D)	Hedonic pricing method.
8.		e externalities that occur in market e sometimes called ————.	trans	actions affect other parties beyond those involved,
	(A)	Spill overs.	(B)	Positive externality.
	(C)	Negative externality.	(D)	Zero externality.
9.		——— results in the release of sing	gle ox	ygen atoms, which later join with intact oxygen
	molecu	les to form ozone.		
	(A)	Photo synthesis.	(B)	Photodissociation.
	(C)	Both.	(D)	Neither.
10.	Accoun	ts for $80\%$ of the destruction of the	e Ozoı	ne layer.
	(A)	Halons.	(B)	Freons.
	(C)	Chloroflourocarbons.	(D)	None of these.
11.	Extern	ality can be ———.		
	(A)	Unidirectional.	(B)	Bidirectional.
	(C)	Reciprocal.	(D)	All of these.
12.	Eco-lab	pelling is an environmental policy in	strun	nent which seeks to improve environment through
		<u>—</u> .		
	(A)	Regulation.	(B)	Financial incentive.
	(C)	Information.	(D)	Tradeable pollution permit.
13.	A perso	on driving a motor vehicle under in	toxica	ted situation is an example for ———.

(A) Negative production externality. (B) Positive production externality.

 $(C) \quad \text{Negative consumption externality.} (D) \quad \text{Positive consumption externality.} \\$ 

Turn over

14.	A highe	ner tax on alcohol is an attempt to ———.			
	(A)	Extract payment from people who do not pay for the excess benefit they receive.			
	(B)	Extract payment from people who do not incur the entire cost of their activity.			
	(C)	Both.			
	(D)	Neither.			
15.	Which of the following is more likely to be successful in combating use of pesticides?				
	(A)	Enforcement by the executive.			
	(B)	Spreading awareness among farmers.			
	(C)	Market offering higher price to organic materials.			
	(D)	Legislation by government.			
16.	6. The basic needs approach says that ———.				
	(A)	Increase in GNP is enough for sustainability.			
	(B)	Increase in GNP and redistribution of it is enough for sustainability.			
	(C)	Redistribution of existing GNP is enough for sustainability.			
	(D)	The needs of the poor in different countries are uniform.			
17.	The En	titlement Approach says that, famine occurs due to ———.			
	(A)	Imbalance between endowments and entitlements.			
	(B)	Scarcity.			
	(C)	Market failure.			
	(D)	Imperfect information.			
18.	The An	nazon forest is in ———.			
	(A)	North America. (B) South America.			
	(C)	Africa. (D) Australia.			

- 19. Which of the following is the pillar of sustainability?
  - (A) Economic.

(B) Social.

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(C) Environmental.

- (D) All of these.
- 20. Cultivation of legumes replenish the soil with ————
  - (A) Ammonium.

(B) Nitrate.

(C) Both.

(D) Neither.