



BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – Dip.CE-2022/Dip.CE-2023

Course Name – Environment & Sustainable Development for Human Survival

Course Code - DCEO601A

(Semester VI)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

(i) Select the primary cause of resource degradation.

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|----------------------------------|----------------------------|
| a) Overconsumption and pollution | b) Sustainable agriculture |
| c) Renewable energy use | d) Conservation efforts |

(ii) Select the major effect of desertification on agriculture.

- | | |
|------------------------------|---------------------------|
| a) Increased soil fertility | b) Higher crop yields |
| c) Reduced soil productivity | d) Increased biodiversity |

(iii) Choose the major consequence of uncontrolled industrialization.

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|-----------------------------------|---|
| a) Increased sustainability | b) Environmental pollution and resource depletion |
| c) Lower greenhouse gas emissions | d) Improved biodiversity |

(iv) Choose the major factor influencing globalization's environmental impact.

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|-------------------------------------|------------------------------------|
| a) Strict environmental regulations | b) Uncontrolled economic expansion |
| c) Focus on green infrastructure | d) Limited industrialization |

(v) Choose the best approach to combat desertification.

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|-------------------------------------|------------------------------------|
| a) Increasing deforestation | b) Afforestation and reforestation |
| c) Excessive groundwater extraction | d) Overgrazing |

(vi) Select the key goal of the Paris Agreement.

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|------------------------------------|---|
| a) Promoting fossil fuel use | b) Reducing global greenhouse gas emissions |
| c) Expanding coal-based industries | d) Encouraging deforestation |

(vii) Select the major transboundary environmental issue.

- | | |
|-----------------------------------|--------------------------|
| a) Overgrazing in local farmlands | b) Climate change |
| c) Household water pollution | d) Urban noise pollution |

(viii) Select the best example of a socio-economic policy for sustainability.

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|-------------------------------------|--------------------------------|
| a) Increasing fossil fuel subsidies | b) Implementing green taxation |
| c) Promoting deforestation | d) Encouraging overconsumption |

- (ix) Choose the best description of demographic dynamics in sustainability.
- a) Relationship between population growth and resource consumption b) A focus only on urbanization
- c) Ignoring environmental factors d) Reducing economic development
- (x) Choose the most effective approach for resource management.
- a) Integrated sustainability planning b) Overexploitation of natural resources
- c) Dependence on fossil fuels d) Expanding industrial waste
- (xi) Choose the main theme of rural sustainable development.
- a) Preserving local resources b) Increasing industrialization
- c) Ignoring community participation d) Over-extraction of groundwater
- (xii) Choose the biggest factor affecting the rural economy.
- a) Agricultural productivity b) Urban expansion
- c) Industrialization d) Ignoring local needs
- (xiii) Choose the most important role of rural governance in sustainability.
- a) Policy implementation and enforcement b) Ignoring community needs
- c) Reducing agricultural investment d) Promoting deforestation
- (xiv) Choose the best method for sustainable rural economic growth.
- a) Supporting local industries and farming b) Depending on external industries
- c) Expanding fossil fuel industries d) Reducing environmental regulations
- (xv) Choose the most effective way to integrate rural traditions with modern sustainability.
- a) Adapting sustainable technologies with traditional methods b) Completely replacing traditional practices
- c) Ignoring local knowledge d) Expanding urban industries

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Differentiate between industrialization and globalization in terms of their environmental impact. (3)
3. Describe the role of globalization in environmental issues. (3)
4. Distinguish between economic growth and sustainable development. (3)
5. Illustrate the importance of risk assessment in sustainability planning. (3)
6. Justify the need for effective information flow in sustainable development. (3)

OR

- Justify the importance of valuation in resource management. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Explain the challenges in sustainable resource management. (5)
8. Illustrate the role of data analytics in predicting sustainability risks. (5)
9. Illustrate how transboundary environmental issues affect global sustainability efforts. (5)
10. Write about the challenges faced by developing countries in achieving sustainability. (5)
11. Justify the role of international funding in promoting sustainable development in developing nations. (5)
12. Justify the role of operational guidelines in enforcing sustainable practices. (5)

OR

- Justify why moral obligations should be prioritized in sustainability policies. (5)
