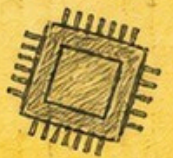


INFORMATION TECHNOLOGY & ARTIFICIAL INTELLIGENCE

— Empowering Minds with Technology —



PART-A

Green Skills-II

HIGHLIGHT BY @CNDYAGL



Topics covered:

- Sustainable Development
- Green Economy
- Green jobs
- Renewable Energy
- Energy Efficiency
- Water Conservation
- Waste management
- Circular economy
- Pollution control
- Environmental responsibility



Section A - Multiple Choice Questions

1. A green job contributes to:
 - A. Environmental sustainability
 - B. Resource wastage
 - C. Pollution growth
 - D. Uncontrolled consumption
2. A circular economy aims to:
 - A. Keep materials in use and minimise waste
 - B. Throw products away quickly
 - C. Increase single-use consumption
 - D. Avoid repair
3. Energy efficiency means:
 - A. Using less energy for the same useful output
 - B. Using more energy
 - C. Avoiding renewable energy
 - D. Leaving appliances on
4. Which is a renewable energy source?
 - A. Solar
 - B. Coal
 - C. Petrol
 - D. Diesel
5. Which practice supports a circular economy?
 - A. Repairing and reusing products
 - B. Throwing away usable items
 - C. Buying disposable products only
 - D. Burning waste

6. A major goal of sustainable development is to balance:
 - A. Economic, social and environmental needs
 - B. Profit and pollution
 - C. Consumption and waste only
 - D. Technology and entertainment
7. Composting is useful for managing:
 - A. Biodegradable organic waste
 - B. Metal machinery
 - C. Glass screens
 - D. Electronic circuits only
8. Rainwater harvesting helps:
 - A. Conserve and recharge water resources
 - B. Increase water wastage
 - C. Pollute groundwater
 - D. Increase plastic waste
9. Using public transport can help reduce:
 - A. Fuel use and emissions
 - B. Tree growth
 - C. Water availability
 - D. Recycling
10. Green skills are skills that help people:
 - A. Support sustainable practices
 - B. Increase pollution
 - C. Waste resources
 - D. Avoid environmental responsibility

Section B – Very Short Answer Questions

1. What is a green job?
2. Define green economy.
3. What is a circular economy?
4. What is energy efficiency?
5. Name one renewable energy source.
6. What is composting?
7. What is rainwater harvesting?
8. Why should e-waste be handled carefully?
9. What is pollution control?
10. What are green skills?

Section C – Short Answer Questions

1. Differentiate between a linear economy and a circular economy.
2. Explain the importance of green jobs and green skills.
3. Suggest five ways to improve energy efficiency at school.
4. Explain how water conservation supports sustainable development.
5. Describe responsible methods of managing household waste.

Section D – Long Answer Questions

1. Explain sustainable development and the role of green skills in achieving it.
2. Discuss the circular economy and explain how reduce, reuse, repair and recycle support it.
3. Explain renewable energy, energy efficiency and their importance in reducing environmental impact.
4. Discuss green jobs and how different sectors can contribute to a green economy.
5. Explain how schools and communities can build sustainable practices through waste, water and energy management.

Section E – Case-Based Questions

1. A school wants to reduce electricity consumption by 20% in one year. Suggest measurable actions and monitoring methods.
2. A community throws all waste into one landfill. Design a simple segregation and waste-management approach.
3. A student replaces a broken device instead of repairing it even though repair is possible. Explain the circular-economy perspective.
4. A village receives heavy rain for only a few months each year and faces water shortages later. Suggest a suitable water conservation strategy.
5. A company wants to reduce its carbon footprint. Suggest changes related to energy, transport and waste.



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ALL THE BEST

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