



## Environmental Science & Other Innovations:

### Environmental Science and Sustainability

A significant focus today is on conferences and ongoing trends that highlight sustainable innovation.

**SEES 2025 Conference:** The 3rd International Conference on Sustainable Environmental Engineering and Science (SEES 2025) is taking place in Kolkata, India. It's a key platform for researchers and professionals to discuss topics like sustainable engineering for pollution control, waste management, and the development of alternate energy sources. The conference emphasizes advancing research and technology to address environmental challenges.

**Growing Role of AI:** A major trend for 2025 is the increasing integration of artificial intelligence (AI) into sustainability efforts. AI is being used for predictive analytics to better prepare for extreme weather, to optimize energy grids for renewable sources, and to enhance recycling through AI-powered sorting technology.

**Circular Economy:** The "circular economy" model, which focuses on reusing and recycling materials, is gaining momentum. Companies are shifting away from the traditional "take, make, dispose" model, with innovations like chemical recycling that break down plastics into their original molecules.

**Sustainable Agriculture:** In agriculture, there's a strong push for climate-resilient food production. Innovations include precision farming using drones and sensors to optimize resource use, and the development of regenerative agriculture practices to improve soil health.

### Other Noteworthy Innovations

**Tech & Durables Market:** The global technology and durables market is showing resilience, with the IT sector leading growth in the first half of 2025.

**Domestic Appliances:** Consumer preferences for sustainability and AI are driving innovation in home appliances. Sales of energy-efficient products are up, and AI-powered robotic vacuum cleaners are seeing strong growth due to demand for convenience and automation.

**Indian Spirits:** In a non-tech innovation highlight, ZigZag Vodka, an Indian spirit brand, has won multiple awards at the Asia World Spirits Competition 2025, signaling growing craftsmanship and global recognition for the Indian spirits industry.

**Dear Aspirants,**

Stay updated with **important lessons, tutorials, and announcements** by subscribing to our official **WhatsApp Channel!**

**Scan the QR code below** to join and never miss an update!

Thank you for your continued support and enthusiasm.

**Let's keep learning and growing together!**





Spardhaguru Competitive Exam  
Coaching Institute  
WhatsApp ಚಾನೆಲ್



## MCQS

**1.What is the main focus of the SEES 2025 conference in Kolkata?**

- a) Discussing the latest trends in renewable energy.
- b) Promoting sustainable engineering for pollution control and waste management.
- c) Debating the role of government in environmental protection.
- d) Showcasing new agricultural technologies.

**Answer:** b) Promoting sustainable engineering for pollution control and waste management.  
The text explicitly states that the conference is a "key platform for researchers and professionals to discuss topics like sustainable engineering for pollution control, waste management, and the development of alternate energy sources."

**2.How is AI being used to enhance recycling efforts in 2025?**

- a) By creating new types of recyclable plastics.
- b) By automating the process of waste collection.
- c) Through AI-powered sorting technology to improve efficiency.
- d) By predicting the amount of waste generated in a city.

**Answer:** c) Through AI-powered sorting technology to improve efficiency.  
The provided information notes that AI is being used to "enhance recycling through AI-powered sorting technology."

**3.Which model is gaining momentum and focuses on reusing and recycling materials?**

- a) The linear economy model.
- b) The circular economy model.
- c) The take-make-dispose model.
- d) The sustainable consumption model.

**Answer:** b) The circular economy model.  
The text defines the "circular economy" as the model that "focuses on reusing and recycling materials," in contrast to the traditional "take make, dispose" approach.

**4.In sustainable agriculture, what do regenerative agriculture practices primarily aim to improve?**

- a) Crop yields.
- b) Soil health.
- c) Water purity.
- d) Pest control.

**Answer:** b) Soil health.  
The passage states that a focus of sustainable agriculture is "the development of regenerative agriculture practices to improve soil health."







spardhaguru2022



Spardhaguru Current affairs



Spardhaguru1



SpardhaGuru



Spardha.guru



www.spardha.guru



**5. According to the text, what is driving innovation in domestic appliances?**

- a) A decrease in manufacturing costs.
- b) Consumer preferences for sustainability and AI.
- c) New government regulations on energy consumption.
- d) An increase in global trade.

**Answer:** b) Consumer preferences for sustainability and AI.

The provided text clearly states, "Consumer preferences for sustainability and AI are driving innovation in home appliances."

**6. Which Indian spirit brand won multiple awards at the Asia World Spirits Competition 2025?**

- a) Kingfisher.
- b) Amrut.
- c) Royal Stag.
- d) ZigZag Vodka.

**Answer:** d) ZigZag Vodka.

The text specifically mentions that "ZigZag Vodka, an Indian spirit brand, has won multiple awards at the Asia World Spirits Competition 2025."



Dear Aspirants,

Stay updated with **important lessons, tutorials, and announcements** by subscribing to our official **YouTube Channel!**

**Scan the QR code below** to subscribe and never miss an update!

Thank you for your continued support and enthusiasm. Let's keep learning together!

