Environment & Ecology · GS - III

Discuss the significance of stricter vehicle emission standards in addressing air pollution in India. Examine the challenges associated with implementing the proposed BS-VII norms.

EXAM YEAR	PAPER	SUBJECT
DAILY PRACTICE 15/10/2026	GS - III	Environment & Ecology

MARKS	WORD LIMIT
10	~150 words

Answer Hint

Bharat Stage norms, Euro 7, vehicular emissions, NOx, particulate matter, brake emissions, tyre abrasion, real-world testing, automobile industry, compliance costs, air quality.

Model Answer

Introduction:

Vehicular emissions contribute to urban air pollution and affect public health. India’s proposed BS-VII norms seek to strengthen emission controls beyond the existing BS-VI framework.

Significance:

1. **Pollution control:** Tighter limits on nitrogen oxides, hydrocarbons and particulate matter can reduce harmful emissions.
2. **Broader coverage:** Proposed controls on brake particles and tyre abrasion recognise non-exhaust sources of pollution.
3. **Better monitoring:** Real-world testing and vehicle monitoring can improve compliance beyond laboratory testing.
4. **Global alignment:** Alignment with Euro 7 can encourage cleaner vehicle technology and innovation.

Challenges:

- Compliance may increase vehicle-development and testing costs.
- Smaller manufacturers and testing facilities may need time to adapt.
- Effective enforcement requires reliable testing, monitoring and regulatory capacity.

Way Forward:

The government should provide clear implementation timelines, strengthen independent testing, support cleaner technologies and ensure transparent compliance monitoring.

Conclusion:

Stricter standards can improve air quality, but their success depends on effective enforcement and a practical transition for the automobile industry.

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