Environment & Ecology · GS - III

Examine the major causes of pollution in the Yamuna River and suggest measures for its effective rejuvenation.

EXAM YEAR	PAPER	SUBJECT
DAILY PRACTICE 30/10/2026	GS - III	Environment & Ecology

MARKS	WORD LIMIT
10	~150 words

Answer Hint

Untreated sewage; industrial effluents; solid waste; urbanisation; sewage treatment infrastructure; river-flow restoration; institutional coordination; community participation

Model Answer

Introduction

The Yamuna is a major tributary of the Ganga and an important source of water for several urban and rural populations. However, pollution in its Delhi stretch raises serious environmental and public-health concerns.

Major Causes

- **Domestic sewage:** Discharge of untreated and partially treated wastewater increases organic pollution.
- **Industrial effluents:** Inadequately treated industrial waste introduces toxic substances.
- **Solid waste:** Plastic, religious waste and other garbage enter the river.
- **Reduced environmental flow:** Excessive water diversion affects the river's capacity for natural self-purification.

Measures for Rejuvenation

- Expand and maintain sewage treatment plants and ensure proper sewer connectivity.
- Enforce industrial effluent standards through regular monitoring.
- Improve solid-waste management and prevent dumping along riverbanks.

- Maintain adequate environmental flows and restore wetlands and floodplains.
- Strengthen coordination among Delhi, Haryana, Uttar Pradesh and central agencies.

Conclusion

Yamuna rejuvenation requires sustained institutional accountability, scientific monitoring and public participation rather than isolated clean-up campaigns.

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