

**[Technology, Economic Development, Bio-diversity, Environment, Security and Disaster Management]**

2005-2015

2015-2020

1. Explain how the Hyogo Framework for Action (HFA) and the Sendai Framework for Disaster Risk Reduction (SFDRR) have played crucial roles in shaping India's disaster risk reduction strategies. (150 words) NDMA-2004 → 68% prone (10)
2. Discuss the significance and contribution of India Semiconductor Mission (ISM) in achieving technological self-reliance. (150 words) (10)
3. How can India improve its Research and Development (R&D) ecosystem to become a global leader in innovation? (150 words) 0.67% of GDP (10)
4. Explain the triple planetary crisis and give your opinion to tackle the triple planetary crisis. (150 words) (10)
5. Deep-sea mining stands at the intersection of technological progress and environmental responsibility. Critically examine this statement in the context of today's global challenges. (150 words) NIPL - Trinidat and Tobago (UPI) (10)
6. How has UPI expansion impacted financial inclusion in rural India, especially among women and low-income households? (150 words) (10)
7. How food processing industry of India can help to increase agricultural productivity along with generation of new employment opportunities? Discuss major challenges that India's food processing industry is facing. (150 words) (10)
8. Discuss the key initiatives undertaken for enhancing logistics efficiency in road connectivity in India. (150 words) (10)
9. Discuss the recent technological interventions to improve the performance of the 'Pradhan Mantri Fasal Bima Yojana' (PMFBY) scheme in India. (150 words) (10)
10. Discuss the importance of Asset Monetization Policy for National Infrastructure Pipeline of India. What are the major challenges that the policy is facing? (150 words) (10)
11. Discuss the role of emerging technologies in transforming healthcare system in India? Critically analyse their ethical and regulatory challenges. (250 words) (15)
12. Agentic AI is poised to revolutionize industries with its versatile functionalities. Is it different from AI agents? Discuss its impact on various sectors highlighting both its benefits and challenges. (250 words) (15)
13. Present an overview of the major wildlife conservation initiatives in the Union Territory of Jammu and Kashmir. (250 words) (15)
14. Write an essay on the substantial outcomes and challenges of COP29 (Baku Climate Unity Pact). (250 words) (15)

15. Discuss the structure and functions of National Investigation Agency (NIA). How has its role gained significance in the present day? (250 words) (15)

16. Which structural factors are driving India's post-COVID GDP growth? How sustainable is this recovery across sectors in India? (250 words) (15)

17. How effective are the Public Distribution System (PDS) and the PM Pradhan Mantri Garib Kalyan Anna Yojana (PMGKAY) to ensure food security for low-income households in India? Discuss. (250 words) (15)

18. Discuss various types of subsidies provided to farm sector in India. What are the steps taken by the Government of India to address the objections raised by WTO on farm subsidies? (250 words) (15)

19. Analyse India's manufacturing sector growth with regards to 'Production Linked Incentive' Scheme. Also discuss the major challenges faced by the Indian manufacturing sector. What policy measures are required to boost India's manufacturing sector? (250 words) (15)

20. "India brought many programs for women empowerment despite being that women's contribution in GDP is comparatively very less". Analyse the various women empowerment programs with special focus on gender budgeting. (250 words) (15)

(3)