

Q1.

Critically examine how localized industrialization in chronically backward districts influences rural-to-urban distress migration. How does this socio-economically empower marginalized tribal communities in eastern India?

Word limit: 250 words

15 marks

Do not write
in this
margin.

Q1.

Question 1 - continued

Do not write
in this
margin.

Q1.

Question 1 - continued

Do not write
in this
margin.

Q2.

Taking the example of rainfed regions, how does the lack of formal land titles exacerbate the vulnerability of women agriculturalists during climate anomalies? Critically discuss.

Word limit: 250 words

15 marks

Do not write
in this
margin.

Q2.

Question 2 - continued

Do not write
in this
margin.

Q2.

Question 2 - continued

Do not write
in this
margin.

Q3.

Critically discuss why India needs to transition from regulating medical devices under the Drugs and Cosmetics Act to a dedicated legislative framework. How will this reform enhance governance?

Word limit: 250 words

15 marks

Do not write
in this
margin.

Q3.

Question 3 - continued

Do not write
in this
margin.

Q3.

Question 3 - continued

Do not write
in this
margin.

Q4.

Discuss in the light of competitive federalism, how can the NITI Aayog's SDG India Index drive sub-national performance and resolve regional developmental disparities in India?

Word limit: 150 words

10 marks

Do not write
in this
margin.

Q4.

Question 4 - continued

Do not write
in this
margin.

Q5.

Critically examine how the integration of AI-driven platforms like AuditOnline can reform the financial accountability and governance mechanisms of Panchayati Raj Institutions in India.

Word limit: 250 words

15 marks

Do not write
in this
margin.

Q5.

Question 5 - continued

Do not write
in this
margin.

Q5.

Question 5 - continued

Do not write
in this
margin.

Q6.

Why is transitioning from compliance-based to risk-based auditing essential for civil ministries? Explain its significance in reducing schematic leakages in rural development.

Word limit: 150 words

10 marks

Do not write
in this
margin.

Q6.

Question 6 - continued

Do not write
in this
margin.

Q7.

Underline the significance of the landmark Chennai Declaration in shaping India's policy on antimicrobial stewardship. How successfully has it influenced infection control protocols in private hospitals?

Word limit: 150 words

10 marks

Do not write
in this
margin.

Q7.

Question 7 - continued

Do not write
in this
margin.

Q8.

Critically discuss how the Unified Health Interface (UHI) democratises healthcare access in India. How can the government address the digital divide to ensure inclusive health outcomes?

Word limit: 250 words

15 marks

Do not write
in this
margin.

Q8.

Question 8 - continued

Do not write
in this
margin.

Q8.

Question 8 - continued

Do not write
in this
margin.

Q9.

Critically examine how Mission Indradhanush addresses the regional disparities and immunization gaps left by the traditional Universal Immunization Programme.

Word limit: 250 words

15 marks

Do not write
in this
margin.

Q9.

Question 9 - continued

Do not write
in this
margin.

Q9.

Question 9 - continued

Do not write
in this
margin.

Q10. Explain how registering traditional agricultural goods under the GI Act empowers marginalized tribal farmers and safeguards them against economic exploitation and biopiracy.

Word limit: 150 words

10 marks

Do not write
in this
margin.

Q10.

Question 10 - continued

Do not write
in this
margin.

Q11.

Underline the critical need for underground salt-cavern strategic petroleum reserves in India. How can expanding these buffers insulate the domestic economy from global crude price volatility? Discuss.

Word limit: 150 words

10 marks

Do not write
in this
margin.

Q11.

Question 11 - continued

Do not write
in this
margin.

Q12.

Underline the economic barriers behind India's low Female Labour Force Participation Rate. How can targeted gender budgeting and social protection systems accelerate gender parity?

Word limit: 150 words

10 marks

Do not write
in this
margin.

Q12.

Question 12 - continued

Do not write
in this
margin.

Q13.

Critically analyse how a federated digital architecture in education platforms helps states customize curriculum while maintaining national standardization. What are the cybersecurity challenges?

Word limit: 250 words

15 marks

Do not write
in this
margin.

Q13.

Question 13 - continued

Do not write
in this
margin.

Q13.

Question 13 - continued

Do not write
in this
margin.

Q14. Explain how semantic interoperability through Common LOINC Codes for India (CLCI) can revolutionise diagnostic data exchange. Why is digital standardisation crucial for Indian healthcare?

Word limit: 150 words

10 marks

Do not write
in this
margin.

Q14.

Question 14 - continued

Do not write
in this
margin.

Q15.

Explain how environmental sewage testing and acute flaccid paralysis surveillance act as critical scientific tools in preventing the re-emergence of vaccine-derived polioviruses.

Word limit: 150 words

10 marks

Do not write
in this
margin.

Q15.

Question 15 - continued

Do not write
in this
margin.

Q16.

Explain how genomic islands facilitate horizontal gene transfer in bacteria. How does this mechanism assist microbial adaptation in highly toxic industrial waste sites? Critically analyse.

Word limit: 150 words

10 marks

Do not write
in this
margin.

Q16.

Question 16 - continued

Do not write
in this
margin.

Q17.

Taking example of major pharmaceutical manufacturing clusters, critically discuss why wastewater treatment guidelines have failed to prevent the proliferation of environmental drug-resistant pathogens in aquatic ecosystems.

Word limit: 250 words

15 marks

Do not write
in this
margin.

Q17.

Question 17 - continued

Do not write
in this
margin.

Q17.

Question 17 - continued

Do not write
in this
margin.

Q18. Underline the ecological role of primary parasitoids in regulating forest herbivore populations. How does climate change disrupt these delicate insect-host synchronies?

Word limit: 150 words

10 marks

Do not write
in this
margin.

Q18.

Question 18 - continued

Do not write
in this
margin.

- Q19.** Critically discuss how the growing dependence on consolidated databases like the JAM Trinity exposes India's digital public infrastructure to systemic cyber threats. What countermeasures are required?

Word limit: 250 words

15 marks

Do not write
in this
margin.

Q19.

Question 19 - continued

Do not write
in this
margin.

Q19.

Question 19 - continued

Do not write
in this
margin.

Q20. Critically examine how maritime piracy and drug trafficking in the Western Indian Ocean threaten regional security. What countermeasures should India adopt to secure these sea lanes?

Word limit: 250 words

15 marks

Do not write
in this
margin.

Q20.

Question 20 - continued

Do not write
in this
margin.

Q20.

Question 20 - continued

Do not write
in this
margin.