

Q1.

Critically Analyse why seamless institutional coordination between the Ministry of External Affairs, armed forces, and local administrations is vital for implementing border management consensus.

Word limit: 250 words

15 marks

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Q1.

Question 1 - continued

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Q1.

Question 1 - continued

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Q2.

Point out why mortuary infrastructure has remained a neglected aspect of public health. How do the new structural guidelines mitigate bio-contamination and evidence tampering?

Word limit: 150 words

10 marks

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Q2.

Question 2 - continued

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Q3.

Critically examine why implementing uniform national standards for clinical establishments under the 2010 Act remains challenging for states. How can center-state coordination overcome these hurdles?

Word limit: 250 words

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Q3.

Question 3 - continued

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Q3.

Question 3 - continued

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Q4.

Explain why the right to dignity under Article 21 extends to the deceased. How do the newly finalized national mortuary standards safeguard this constitutional right?

Word limit: 150 words

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Q4.

Question 4 - continued

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Q5.

Critically examine how the dual-track system of the Special Representatives (SR) mechanism and WMCC helps in de-escalating prolonged political and diplomatic standoffs between India and China.

Word limit: 250 words

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Q5.

Question 5 - continued

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Question 5 - continued

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Q6.

Point out how the India-Central Asia Dialogue helps India counter regional geopolitical rivalries. Why is Central Asia strategically vital for India's energy security?

Word limit: 150 words

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Q6.

Question 6 - continued

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Q7.

Critically discuss how international collaborations in mega-science projects like the Square Kilometre Array shape India's scientific diplomacy. Why is global data-sharing essential in space exploration?

Word limit: 250 words

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Q7.

Question 7 - continued

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Question 7 - continued

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Q8.

Critically examine the growing challenge of space debris in the geostationary orbit. How can international cooperation ensure the long-term sustainability of outer space?

Word limit: 250 words

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Question 8 - continued

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Question 8 - continued

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Q9.

Critically discuss how Uzbekistan's unique doubly-landlocked geography shapes India's strategic push for transit rights through the Chabahar Port and the International North-South Transport Corridor.

Word limit: 250 words

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Q9.

Question 9 - continued

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Question 9 - continued

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Q10. Taking the example of India-Russia energy corridor, examine how India balances its strategic autonomy with the risks of secondary sanctions from Western partners?

Word limit: 250 words

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Q10.

Question 10 - continued

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Question 10 - continued

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Q11.

Underline the scientific significance of preservation standards for viscera in forensic toxicology. How do standardized cold-storage infrastructures prevent chemical and biological degradation of vital evidence?

Word limit: 150 words

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Q11.

Question 11 - continued

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Q12.

Analyse why Lagrange Point 2 (L2) is highly favored for deep space observatories. What are the orbital mechanics and operational advantages it offers over low Earth orbits?

Word limit: 150 words

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Q12.

Question 12 - continued

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Q13.

Why are sun-synchronous orbits preferred over geostationary orbits for high-resolution mapping? Explain the physical and orbital principles determining this preference.

Word limit: 150 words

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Q13.

Question 13 - continued

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Q14.

With suitable examples, discuss why high-precision time protocols like PTP and White Rabbit are essential for critical sectors and how NavIC enhances India's timing sovereignty.

Word limit: 150 words

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Question 14 - continued

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Q15.

Discuss, in the light of the Legal Metrology Rules 2026, how precise time synchronisation prevents grid failures and why UTC(NPLI) serves as its backbone.

Word limit: 150 words

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Question 15 - continued

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Q16.

Critically discuss how the diversion of Amu Darya and Syr Darya rivers caused the Aral Sea ecological disaster. What are its geographical consequences?

Word limit: 250 words

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Question 16 - continued

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Question 16 - continued

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Q17.

Analyse why competing infrastructure development and real-time surveillance along the undemarcated LAC present persistent challenges to local military stabilization and border management.

Word limit: 250 words

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Question 17 - continued

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Question 17 - continued

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Q18.

Analyse how the SCO-RATS mechanism can be leveraged to address security challenges arising from narcotics trafficking and radicalization along the volatile Afghan-Uzbek borderlands.

Word limit: 150 words

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Question 18 - continued

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Q19. Point out how dark ship-to-ship (STS) transfers and disabling Automatic Identification System (AIS) signals challenge global maritime compliance and security.

Word limit: 150 words

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Q19.

Question 19 - continued

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Q20. Critically analyse why centralized energy refining hubs are highly vulnerable to asymmetric drone warfare, and how can India safeguard its critical downstream infrastructure?

Word limit: 250 words

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Question 20 - continued

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