



**VIZAG IAS  
ACADEMY**

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# **MAINS TEST SERIES 2023**

## **General Studies**

### **Test - 7**

#### **TOPICS COVERED**

- Effects of Liberalization on the Economy, Changes in Industrial Policy and their Effects on Industrial Growth.
- Infrastructure: Energy, Ports, Roads, Airports, Railways etc.
- Investment Models.
- Science and Technology- Developments and their Applications and Effects in Everyday Life.
- Achievements of Indians in Science & Technology; Indigenization of Technology and Developing New Technology.
- Awareness in the fields of IT, Space, Computers, Robotics, Nano-technology, Bio-technology and issues relating to Intellectual Property Rights.

1. The economic reforms of 1991 were a comprehensive structural overhaul of the Indian economy. Discuss. 10 Marks
2. What is land pooling? State its benefits and associated challenges. 10 Marks
3. While digitisation of land records is a positive step, there are some challenges that need to be addressed. Discuss. 10 Marks
4. The National Rail Plan (NRP) for India – 2030, seeks to create a 'future ready' railway system by 2030. Discuss. 10 Marks
5. "The semiconductor supply chain is intricately distributed across various countries and the present era of complex geopolitics makes the things highly complex". Argue your case. 10 Marks
6. "To develop Moonshot Projects towards Deep Tech, innovative strategies are essentially needed – whether it is financing, solving the problems of the mankind, coordination of domain experts". Discuss. 10 Marks
7. "Humane aspects of governance may be compromised, if the governance aspects through digitalization are outsourced". Discuss the pros and cons of digitalization from Indian perspective. 10 Marks
8. What do you understand by Open Radio Access Network (O-RAN)? Discuss its pros and cons. 10 Marks
9. There are a spate of Electric Vehicle fires, which are threatening the evolving ecosystem. Discuss the issue in totality. 10 Marks
10. "In order to narrow the gulf between Science and Society, there is a need to bring Science into public imagination". Elucidate. 10 Marks
11. In context of the recently launched National Monetisation Pipeline, elaborate on the concept of asset monetisation. Also, discuss its significance for India. 15 Marks
12. Highlighting the importance of investment in road infrastructure for India's economic development, discuss the initiatives taken by the government in recent times in this regard. 15 Marks
13. Discuss the various issues that hinder the development of the port infrastructure in India and state the recent measures taken by the government to address the same. 15 Marks
14. Critically analyze India's Industrial Policy since independence. 15 Marks
15. What are the salient features of The New Digital Personal Data Protection Bill, 2022? Why do some experts say that the draft has features to become surveillance state? 15 Marks
16. "The Nation should celebrate the contributions of eminent scientists and they should be in the public conscience and day-to-day discourses". Discuss in the light of bringing ORS (Oral Rehydration Therapy) to the population level by Dilip Mahalanabis. 15 Marks

17. Delineate the journey of ISRO from PSLV to LVM3 with various complexities involved. 15 Marks
18. Examine the pitfalls of Lithium-ion batteries for Electric Vehicles. Critically analyse the aspects surrounding solid state batteries. 15 Marks
19. What is the significance of Nobel Physics and Chemistry Prizes, 2022 for the betterment of the humans? 15 Marks
20. What do you understand by nuclear fusion? In the light of recent experiment at the JET facility in UK, critically examine whether generation of energy through nuclear fusion solves the problem of climate change. 15 Marks



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## PRELIMS CUM MAINS 2024

### ADMISSIONS STARTED.!

- 👍 Orientation starts in 3<sup>rd</sup> week of May
- 👍 Classes starts in 1<sup>st</sup> week of June

**65  
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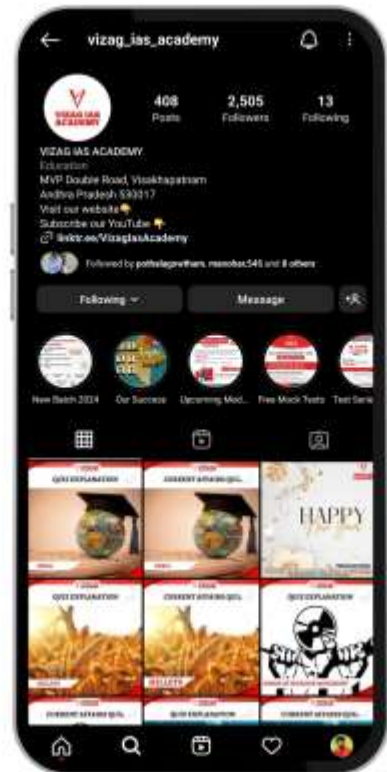
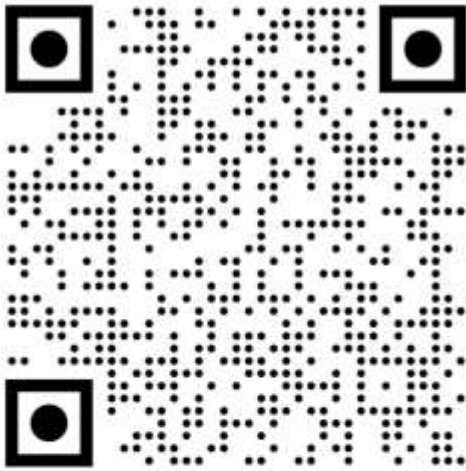
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