

Here are some direct and indirect questions from our test series that appeared in the actual exam — a testament to our focused and analytical approach.

(b) Which are the major scientific institutes located in Andhra Pradesh? Discuss the role of IISER Tirupati in the scientific and educational development of the state.

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SECTIONAL TEST 14 QNO 5

Q5. Evaluate the contributions of major scientific institutes in Andhra Pradesh towards national research and development goals.

3. (a) Discuss the evolution of e-governance in India, highlighting key initiatives. Analyze how these initiatives have transformed public service delivery and enhanced citizen engagement.

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OR

SECTIONAL TEST 12 Q3

Q3. Discuss the role of e-governance initiatives in improving public service delivery in India.

(b) Define genetic engineering. Explain its applications in agriculture and medicine.

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FLT TEST 5 Q14 ON SIMILAR LINES

14. Biotechnology has revolutionized healthcare and agriculture. Discuss its potential and associated ethical concerns.



12. (a) Explain the regulatory framework governing genetically modified organisms in India and assess its adequacy in addressing modern challenges.

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FLT TEST 10 Q12

Q. "Discuss the role of Genetically Modified (GM) crops in enhancing agricultural productivity in India. Examine the regulatory framework governing GM crops in India and internationally. Highlight the advantages and concerns associated with GM crops, along with the latest developments and challenges in their adoption."

Q12. What are the implications of Genetically Modified (GM) crops on food security and environmental safety in India?

SOME INDIRECT QUESTIONS

OR

(b) Examine how urban infrastructure influences the implementation of preventive measures during microbial disease outbreaks. Suggest technology-driven solutions. **10**

Q7. Evaluate the effectiveness of India's public health policies in managing outbreaks of diseases like chikungunya and encephalitis.

(b) Describe the importance of IPR in academic and industrial research collaborations. **10**

Q4. Discuss the role of government policies in fostering a conducive environment for intellectual property creation and protection in India.

(b) Discuss the legislative framework for controlling air and water pollution in India. Highlight the key provisions and limitations of relevant acts. **10**

Q3. Discuss the amendments introduced by the Water (Prevention and Control of Pollution) Amendment Act, 2024, and their implications for industrial compliance.

Genetic engineering, conventional and non conventional sources, Integrated Solid Waste Management (ISWM) can be covered through value addition