Society & Social Justice · GS - II

Discuss the importance of integrating computational thinking and Artificial Intelligence into school education. Examine the challenges involved in balancing technological learning with students' academic well-being.

EXAM YEAR	PAPER	SUBJECT
DAILY PRACTICE 30/10/2026	GS - II	Society & Social Justice

MARKS	WORD LIMIT
10	~150 words

Answer Hint

NEP 2020; digital literacy; computational thinking; AI education; critical thinking; examination stress; curriculum flexibility; equitable access

Model Answer

Introduction

The integration of computational thinking (CT) and Artificial Intelligence (AI) into school education can prepare students for a technology-driven economy. However, curriculum design must balance innovation with age-appropriate learning and student well-being.

Importance of CT and AI Education

1. Digital Competencies

Students develop logical reasoning, problem-solving and an understanding of emerging technologies.

2. Future Employability

Early exposure to AI and computational concepts can improve readiness for technology-oriented careers.

3. Critical Thinking

Practical learning encourages creativity, analytical abilities and responsible use of digital tools.

Challenges

- Unequal access to computers, internet connectivity and trained teachers.
- Additional curriculum burden and examination pressure.
- Risk of excessive dependence on digital tools.
- Concerns regarding data privacy, algorithmic bias and responsible AI use.

Way Forward

Curriculum reforms should introduce age-appropriate digital learning through practical activities, teacher training and equitable infrastructure. Regular evaluation should consider learning outcomes and student feedback.

Conclusion

Technological education should be an integral but balanced component of schooling. Curriculum flexibility and equitable access can ensure that innovation strengthens rather than burdens the learning process.

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