Science & Technology · GS - III

Artificial Intelligence is transforming education and assessment systems, while simultaneously creating new challenges for academic integrity. Examine the need for a balanced regulatory and institutional framework to address these challenges.

EXAM YEAR	PAPER	SUBJECT
DAILY PRACTICE 19/11/2026	GS - III	Science & Technology

MARKS	WORD LIMIT
15	~250 words

Answer Hint

Generative AI, educational transformation, personalised learning, academic integrity, AI-assisted cheating, examination credibility, digital divide, privacy, human oversight, AI literacy, institutional guidelines, responsible innovation.

Model Answer

Introduction

Artificial Intelligence is transforming education through personalised learning, automated assessment and intelligent tutoring. However, generative AI also enables new forms of academic misconduct, challenging traditional examination systems.

Opportunities in Education

- **Personalised learning:** AI can adapt educational content to individual learning needs.
- **Accessibility:** Language translation and assistive technologies can support learners with disabilities and diverse linguistic backgrounds.
- **Administrative efficiency:** Automated evaluation and learning analytics can reduce institutional workload.
- **Research support:** AI tools can assist with information organisation and academic exploration.

Challenges to Academic Integrity

- **AI-assisted cheating:** Students may use generative tools to produce answers without demonstrating their own understanding.
- **Assessment reliability:** Conventional examinations may become less effective in measuring independent knowledge.
- **Digital inequality:** Unequal access to advanced tools can create unfair advantages.
- **Privacy and bias:** AI-based monitoring and evaluation may raise concerns regarding personal data and discriminatory outcomes.

Way Forward

Educational institutions should establish clear AI-use policies, distinguish permitted assistance from academic misconduct and redesign assessments to emphasise critical thinking and application. AI literacy, human supervision, transparent evaluation and privacy safeguards must be strengthened.

Conclusion

AI should complement rather than replace human learning and judgement. A balanced framework combining technological innovation, academic integrity and institutional accountability is essential for trustworthy education.

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