Science & Technology · GS - III

Artificial Intelligence is transforming traditional employment patterns by automating routine tasks while creating demand for new skills. Discuss its implications for India's workforce, with special reference to the accounting profession.

EXAM YEAR	PAPER	SUBJECT
DAILY PRACTICE 30/10/2026	GS - III	Science & Technology

MARKS	WORD LIMIT
10	~150 words

Answer Hint

Automation of routine tasks; changing skill requirements; productivity gains; employment displacement; digital literacy; human judgement; reskilling; inclusive growth

Model Answer

Introduction

Artificial Intelligence is reshaping India's employment landscape by automating repetitive tasks and changing the nature of professional work. Bookkeeping and routine accounting are among the activities increasingly influenced by AI.

Implications for the Workforce

- **Automation:** Data entry, invoicing and reconciliation can be performed more efficiently through AI-based tools.
- **Productivity:** Automation reduces routine workloads and improves operational efficiency.
- **Employment transition:** Traditional roles may decline or transform, creating a need for continuous reskilling.
- **Emerging opportunities:** Data analytics, tax advisory, financial planning and AI-system management offer new professional opportunities.

Challenges

Digital skill gaps, unequal access to training, job displacement and concerns regarding data privacy and algorithmic errors require attention.

Way Forward

India should strengthen vocational education, digital literacy, industry-academia partnerships and affordable reskilling programmes. Accountants should combine AI proficiency with domain expertise, ethical judgement and advisory skills.

Conclusion

AI should be treated as a tool for augmenting human capabilities. A skill-oriented workforce strategy can help India convert technological disruption into productive employment opportunities.

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