Science & Technology · GS - III

Despite advances in generative AI, the distinction between computational intelligence and human understanding remains significant. Discuss.

EXAM YEAR	PAPER	SUBJECT
DAILY PRACTICE 28/11/2026	GS - III	Science & Technology

MARKS	WORD LIMIT
10	~150 words

Answer Hint

Generative AI, artificial general intelligence, contextual reasoning, consciousness, hallucinations, human oversight, ethical governance

Model Answer

Generative AI systems such as ChatGPT and Claude have demonstrated remarkable capabilities in language processing, content generation, coding and information analysis. However, their capabilities should not be equated with human understanding or consciousness.

Key distinctions include:

1. **Pattern recognition:** AI systems generate outputs by learning statistical patterns from large datasets rather than necessarily understanding information as humans do.
2. **Contextual reasoning:** They may struggle with unfamiliar situations, ambiguous instructions and complex real-world contexts.
3. **Consciousness:** Producing human-like conversations does not establish subjective awareness, emotions or self-consciousness.
4. **Creativity:** AI can generate novel combinations of existing information, but questions concerning originality, intention and human creativity remain significant.
5. **Reliability:** Hallucinations, algorithmic bias and incorrect reasoning can affect decision-making.

Implications for society:

AI offers opportunities in healthcare, education, scientific research and governance. However, excessive dependence may weaken human accountability and amplify misinformation.

Human oversight, transparent algorithms, responsible data practices and appropriate regulation are therefore essential.

Conclusion: The development of increasingly capable AI should be accompanied by a clear distinction between computational performance and human cognition. AI should complement human intelligence while critical judgment and accountability remain central to high-stakes decisions.

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