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Q38

With the present state of development, Artificial Intelligence can effectively do which of the following? 1. Bring down electricity consumption in industrial units 2. Create meaningful short stories and songs 3. Disease diagnosis 4. Text-to-Speech Conversion 5. Wireless transmission of electrical energy Select the correct answer using the code given below: (a) 1, 2, 3 and 5 only (b) 1, 3 and 4 only (c) 2, 4 and 5 only (d) 1, 2, 3, 4 and 5 Official key: B.

UPSC Civil Services Prelims 2020 · General Studies · 2 marks · Art and Culture

Indian art, architecture, culture - Prelims GS Paper I.

Explanation**(a)**

1, 2, 3 and 5. Meaningful stories/songs and **wireless power** were not keyed as effective AI then; 5 is physics, not AI.

(b) Official key

1, 3 and 4 only. Energy optimisation in plants, disease diagnosis, text-to-speech. Not creative fiction as a reliable output, not wireless electricity.

(c)

2, 4 and 5 only. Wrong trio.

(d)

All five. Over-claims 2 and 5 at the 2020 state of the art as keyed.

Summary

Official key is (b) 1, 3 and 4 only. At the then state of AI: industrial energy use, diagnosis, and **TTS** were live. Inventing meaningful stories/songs and **wireless power** transmission were not keyed as effective AI tasks.

Related possible facts

These can be asked in a future Prelims paper.

TTS

WaveNet-era speech synthesis - already productised by 2020.

Wireless power

Electromagnetic engineering, not an AI deliverable.

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