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Q47

What is 'Greased Lightning-10 (GL-10)', recently in the news? (a) Electric plane tested by NASA (b) Solar-powered two-seater aircraft designed by Japan (c) Space observatory launched by China (d) Reusable rocket designed by ISRO Official key: A.

UPSC Civil Services Prelims 2016 · General Studies · 2 marks · Current Affairs and GK

Current events, government schemes, miscellaneous GK - Prelims GS Paper I.

Explanation**(a) Official key**

Electric plane tested by NASA. Greased Lightning-10 (GL-10) is a NASA Langley remotely piloted **hybrid-electric VTOL** demonstrator with tilting wings and multiple **propellers**. That stored letter is the official key.

(b)

Solar two-seater from Japan. That does not name GL-10. This letter is not the key.

(c)

Chinese space observatory. Unrelated to the NASA aircraft. This letter is not the key.

(d)

ISRO reusable rocket. **ISRO RLV-TD** is a different programme. This letter is not the key.

Summary

Official key is (a) electric plane tested by NASA. GL-10 Greased Lightning is a **hybrid-electric VTOL** UAV, not a Japanese solar tourer, a Chinese observatory or an ISRO rocket. Honour the stored letter (a).

Related possible facts

These can be asked in a future Prelims paper.

Centre

NASA Langley Research Center

VTOL

Vertical take-off and landing via tilting wing/props

Propellers (design)

Ten rotors in the GL-10 concept

Hybrid-electric

Electric drive with an onboard generator in the demonstrator story

ISRO RLV-TD

Reusable launch vehicle technology demonstrator-different

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