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Q16

What is the main task of India's third moon mission which could not be achieved in its earlier mission? List the countries that have achieved this task. Introduce the subsystems in the spacecraft launched and explain the role of the 'Virtual Launch Control Centre' at the Vikram Sarabhai Space Centre which contributed to the successful launch from Sriharikota.

UPSC Civil Services Mains 2023 · GS III · 15 marks · Indian Economy

Indian Economy and issues relating to planning, mobilization of resources, growth, development and employment.

Facts & figures for this PYQ only.

Numbers move. Confirm the latest Budget, Economic Survey or census round. This sheet is for revision, not a substitute for the model answer.

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Landing date

Chandrayaan-3 soft-landed on 23 August 2023 in the lunar south polar region.

Launch

LVM3-M4 from SDSC Sriharikota on 14 July 2023.

Prior landers

USA, USSR/Russia, and China had achieved lunar soft landing before India.

Vikram and Pragyan

Lander and rover names; Pragyan studied surface chemistry with LIBS and APXS.

VLCC

Virtual Launch Control Centre at Vikram Sarabhai Space Centre for remote launch monitoring from Thiruvananthapuram.

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