

9. What is moon quakes? Id the reasons behind it & discuss how it will affect the moon missions of various global space agencies.

Earth's natural satellite has been shrinking in its size due to moon quakes.

The ILSA Instrument for lunar seismic activity observed the Chandrayaan-3 and LRO - Lunar Reconnaissance Orbiter have conducted the evidence of moon quakes.

moon quakes They are actual seismic activity on the surface of the moon similar to that of earth, but they persists for hours unlike in earth.

Reasons for moon quakes

moon quakes are caused by factors such as the cooling of moon's core which causes the surface of the moon to shrink and cause moon quakes.

The threat lines behave as the active areas of moon quakes.

Second, the gravitational pull of the earth stretches and compresses the surface of the moon, similar to moon's effect on tides.

moon quakes are not conducive for future missions.

Effect on missions

The moonquakes can destabilise the surface of the moon prohibiting the chances of future settlements and observatories.

Threat to human life as Asternin-3 is planned as a manned moon mission moonquakes are odious to human landing on the moon.

Endanger LUPEX mission of India and Japan as it envisions to land and rove the moon.

moonquake studies have unravelled few explored phenomena of the moon. Humanity can proceed with ~~of~~ accounting moon quakes in their mission.