

1. Chandrayaan-2 Indian 2nd Lunar Odyssey was launched by – GSLV MK-III rocket.
2. Chandrayaan-2 was launched to space by ISRO from Satish Dhawan Space Centre, Sriharikota in Andhra Pradesh.
3. Chandrayaan-2 will be unique because-it will explore the south pole region of Lunar terrain which remain unexplored till today.
4. The weight of Chandrayaan-2 is 3850kg.
5. Time to be taken by the spacecraft to reach the Moon - 48 days.
6. Indian rank in the world for launching such a mission - 4th.
7. Chairman of ISRO - K. Sivan
8. Project Director of Chandrayaan-2 Mission – Ms. Muthya Vanitha
9. Mission Director of Chandrayaan-2 Mission – Ms. Ritu Kharidhal
10. Chandrayaan-2 mission duration - 1year
11. Chandrayaan-1 was launched by ISRO on 2008.
12. Chandrayaan-2 include ORBITER, LANDER & ROVER.
 - Name of the Lander - *Vikram* (1471kg weight)
 - Name of the Rover - *Pragyan* (27kg weight).
13. First in Chandrayaan-2
 - i. 1st space mission to conduct soft landing on South Pole of Moon.
 - ii. 1st Indian expedition with home-grown technology.
 - iii. 1st Indian mission to explore the Lunar terrain with home grown technology.
14. ISRO plan for the Solar mission called Aditya in-2020.
15. There is renewed global interest in the Moon because of reserve of Helium-3 and Water.
16. Details about GSLV-MK-III Rocket
 - 43.43m height
 - 640 tonnes weight
 - 3 stage motor capable to launch 4 tonnes satellite to the Geosynchronous Orbit.
17. Scientific Objectives of Chandrayaan-2
 - i. To get information on solar environment.
 - ii. Extensive mapping to know Moon's origin & evolution.
 - iii. Further study the evidence of water molecules discovered by earlier CHANDRAYAAN-1.
18. Three other countries who had successfully send mission to Moon – USA, Russia & China.
19. Lunar Programme by other Countries :
 - NASA of USA plans a mission to take Astronauts back to Moon by 2024 named – Artemis.
 - Russia's Lunar mission to be launched in 2021 named – Luna-25
 - Chang'e 5 lunar mission by china in – December 2019.

- Jeff Bezos company working on a space craft to transport scientific equipment and human to Moon by 2024 named – Blue Origin.
- Japan's JAXA plan to send a Lunar Rover and Lander by – 2024.

20. Chandrayaan-3 to bring Lunar soil & rock sample planned by ISRO in – 2024.