



# drishti

## Important Facts For Prelims (2nd May 2019)

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### Chandrayaan-2 Mission

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- India's highly ambitious Rs 800-crore Chandrayaan-2 mission **will be launched between July 9 and July 16 this year.**
- The **moon landing** is expected to be around **September 6, 2019**, nearly two months after the launch.
- The second lunar mission of ISRO will have **three modules — Orbiter, Lander (Vikram) and Rover (Pragyan).**
- The Orbiter and Lander will be interfaced mechanically, stacked together as an integrated module and accommodated inside the **GSLV MK-III launch vehicle**. The Rover will be housed inside the Lander.
- After the launch into the earth bound orbit, the integrated module will **reach the Moon's orbit using Orbiter propulsion module.**
  - Subsequently, **Lander** will separate from the Orbiter and **soft land** at the predetermined site close to the **lunar South Pole.**
  - Further, the **Rover** will roll out for carrying out **scientific experiments** on the lunar surface.

### GSLV MK-III

- It is a **three-stage heavy lift launch vehicle** developed by ISRO.
- The vehicle has **two solid strap-ons, a core liquid booster and a cryogenic upper stage.**
- It is designed to carry 4 ton class of satellites into Geosynchronous Transfer Orbit (GTO) or about 10 tons class of satellites to Low Earth Orbit (LEO), which is about **twice the capability of GSLV Mk II.**

### Niyamgiri Hills

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- Recently, a 16-member fact-finding team (comprising members of the Coordination of Democratic Rights Organisations) has concluded that the **villagers living near the**

**Vedanta refinery in Lanjigarh** (Kalahandi), are facing **severe health problems** because of **dust coming from** the red mud pond (waste generated by the refinery) **site**.

**In 2013, the Supreme Court** had **rejected** the plan of **mining bauxite from Niyamgiri by Vedanta Ltd.**

- **Niyamgiri is a hill range in** Rayagada and Kalahandi districts of **southern Odisha**.
- Among the main residents of Niyamgiri are **two tribes called Kutia Kondh and Dongria Kondh**, who believe the hills to be home to their **god Niyam Raja**.
- **Odisha** has **700 million tonnes** of known **bauxite reserves**, of which **88 million tonnes** are estimated to be found in **Niyamgiri**.

Bauxite is the raw material for alumina and aluminum.

## 99942 APOPHIS

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- It is a near-Earth asteroid, which will cruise by Earth in 2029, about 31,000 km above the surface.
- It is 340 m wide. At one point, it will travel more than the width of the full Moon within a minute and it will get as bright as the stars in the Little Dipper.
- Apophis is named for an Egyptian god of chaos. Though, It is not expected to harm the earth but the size of asteroid have created curiosity among scientific community.
- The asteroid will be visible to the naked eye and will look like a moving star.

## Asteroids

- These are small, rocky objects that orbit the sun. Although asteroids orbit the sun like planets, they are much smaller than planets.
- Our solar system began about 4.6 billion years ago when a big cloud of gas and dust collapsed. During this, most of the material fell to the center of the cloud and formed the sun.
- Some of the condensing dust in the cloud became planets. The objects in the asteroid belt never had the chance to be incorporated into planets and hence were left over.

## Labour Day

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- Labour Day or Worker's Day, celebrated around the globe on **1st May**, is a day dedicated to labourers of the working class, marked with a public holiday in over 80 countries.
- The holiday originated in the **U.S. city in 1886** as a protest in support of an **eight-hour workday** and saw thousands of labourers around the country take to the streets. The day commemorates the **Haymarket affair**, which took place on 4th May.

- While the day stands for different things depending on the country, the overall theme of the public holiday is celebrating the achievements of workers.
- The theme of International Labour Day 2019 is **“Sustainable Pension for all: The Role of Social Partners”**.
- Although the labour movement has its roots in the U.S., Labour Day there is celebrated on the **first Monday of September** rather than in May.

## Grounds for rejection of candidature in Election

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The Returning Officer of Varanasi recently rejected the nomination of a sacked BSF constable-Tej Bahadur Yadav-on grounds that he did not submit proper documents.

- The nomination was rejected as it failed to meet **Section 9 and 33(3) of the Representation of the People Act, 1951**.
- Under these, if a person is dismissed from government service and five years have not elapsed, then such a person shall not be nominated as a candidate unless his nomination paper is accompanied by a certificate issued by the ECI that he has not been dismissed for corruption or disloyalty to the state.

### Grounds for rejection of candidature

- Nomination paper of a candidate shall be rejected if :
  - He is disqualified on the date fixed for scrutiny of nomination;
  - Nomination paper is not signed by candidate or subscribed by requisite number of proposer
  - Requisite security deposits has not been made
  - Age or complete address of candidate has not been mentioned in nomination paper
  - Nomination paper shall not be rejected on grounds of defects which is not of substantial character, like, defect in declaration relating to symbol.
  - Any wrong information or suppression of information in candidate affidavits is not defects of substantial character. However , failure to furnish affidavits is defect of substantial character entailing rejection of nomination .
- In this case, the constable had not taken permission from ECI regarding contesting polls, which needs to be taken in case a government official who has been removed or suspended wants to contest polls, thus relegating his application as a defect of substantial character.