

13-08-2021

EOS-03 Satellite**Question: Consider the following statements:**

1. This satellite named EOS-03 was launched by GSLV-F10 at its scheduled time from Satish Dhawan Space Centre in Sri-Harikota at 5.43 am.
2. This satellite had to be installed 36 thousand km from the earth. It would have been linked with the rotation of the Earth, making it appear to be stationary in one place.
3. A satellite is sent to space through the launch vehicle, India has two types of launch vehicles.

Which of the above statement(s) is/are true?

- (A) 01 and 02 (B) 02 and 03
(C) 01 and 03 (D) all of the above

Answer:- (D) All of the above

Role:- Recently the Earth Observation Satellite was launched by the Indian Space Research Organization. This satellite named EOS-03 was launched by GSLV-F10 at its scheduled time from Satish Dhawan Space Centre in Sri-harikota at 5.43 am. The first two stages proceeded smoothly, but in the third stage (cryogenic stage) its engine malfunctioned and the mission was unsuccessful.

Exam Useful Points:-

- This satellite was to be installed 36 thousand km above the earth. It would have been linked with the rotation of the Earth, making it appear to be stationary in one place.
- This satellite was also being called Geo Imaging Satellite-1 (GISAT-1).
- Along with India, the borders of China and Pakistan can also be monitored through this satellite. Because of this, this satellite was also being called Eye in the Sky.

- This satellite named EOS-03 was launched by GSLV-F10 at its scheduled time at 5.43 am from Satish Dhawan Space in Sri-harikota.
- The satellite's first two stages proceeded smoothly, but the third stage (cryogenic stage) suffered an engine failure and the mission was unsuccessful.
- A satellite is sent into space only through the launch vehicle. India has two types of launch vehicles, the first is the Polar Satellite Launch Vehicle (PSLV), the second is the Geosynchronous Satellite Launch Vehicle i.e. GSLV is a four-stage launch vehicle.
- Its first and third stages use the Solid rocket motor, and the second and third stages use liquid rocket engines.
- GSLV is the largest satellite launch vehicle developed by India.
- GSLV is mainly used to send satellites into the Geosynchronous Transfer Orbit (GTO) located 36,000 km above.

National Edible Oil Mission - Palm Oil

Question: Consider the following statements:

1. An investment of more than Rs 11,000 crore will be made under this scheme.
2. Palm oil is currently the most widely consumed vegetable oil in the world.
3. Under this scheme, due to favourable weather conditions, special attention will be given to the north-eastern states of India and the Andaman and Nicobar Islands areas.

Which of the above statement(s) is/are true?

- (A) 01 and 02 (B) 02 and 03
(C) 01 and 03 (D) all of the above

Answer:- (D) All of the above

Role:- Recently the Government of India announced this new national initiative on palm oil production to help increase farm income.

Exam Useful Points:-

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- Under this scheme, due to favourable weather conditions, special attention will be given to North Eastern states of India and Andaman and Nicobar Islands.
- Under the scheme, financial assistance will be provided to palm oil farmers and farmers will get remuneration under the price and feasibility formula.
- India is the world's largest consumer of vegetable oil, palm oil imports, accounting for about 60 percent of India's total vegetable oil imports.
- Palm oil is currently the most widely consumed vegetable oil in the world.
- Its detergent is used extensively in the production of plastics, cosmetics and biofuels.
- Globally, the top consumers of palm oil are India, China and the European Union.
- More than Rs 11,000 crore will be invested under this scheme.
- This scheme is expected to encourage oilseeds and palm oil production and reduce dependence on import of edible oils and farmers will get more cash in the market.

Ujjwala 2.0 Scheme

Question: Consider the following statements:

1. Pradhan Mantri Ujjwala Yojana was launched in May 2016 to provide LPG (liquefied petroleum gas) connections to BPL families.
2. To get the benefits under the scheme, the applicant must be a woman above 18 years of age and a citizen of India.
3. A deposit free LPG connection is provided by the Centre to the eligible family with a financial assistance of Rs 1,600 per connection.

Which of the above statement(s) is/are true?

- | | |
|---------------|----------------------|
| (A) 01 and 02 | (B) 02 and 03 |
| (C) 01 and 03 | (D) all of the above |

Answer:- (D) All of the above

Role:- Recently, the second phase of Ujjwala Gas Connection Scheme has been started by the Central Government for the poor.

Exam Useful Points:-

- This scheme was brought by the Central Government to provide LPG (Liquefied Petroleum Gas) connections to BPL families.
- Pradhan Mantri Ujjwala Yojana was launched in May 2016.
- Now workers will only need to submit a self-declaration of their residential address to get the gas connection.
- A deposit-free LPG connection will be provided by the Central Government to the eligible family with a financial assistance of Rs 1,600 per connection.
- To get the benefits under the scheme, the applicant must be a woman above the age of 18 years and a citizen of India.
- For this scheme, the household income of the family should not exceed a certain limit per month, for which the limit will be fixed by the Union Territory and State Government.
- The objective of this scheme is to empower women and protect their health by reducing the serious health hazards related to cooking on fossil fuel based chulhas.

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