

**Trends in Sectoral Share of Commercial Energy Consumption (in %)**

Sector	1953-54	1970-71	1990-91	2017-18
Household	10	12	12	24
Agriculture	01	03	08	18
Industries	40	50	45	42
Transport	44	28	22	1
Others	5	07	13	15
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

**Source:** Ninth Five year Plan, Vol. II, Chapter 6, Planning Commission, Government of India, New Delhi and Energy Statistics 2019, Central Statistical Office, Ministry of Statistics and Programme Implementation, Government of India.

- However, there has been a continuous fall in the share of the transport sector while the shares of the household, agriculture, and others have been increasing.
- The share of oil and gas is the highest among all commercial energy consumption. With the rapid rate of economic growth, there has been a corresponding increase in the use of energy.
- **Hence, both statements 1 and 2 are not correct.**

**Q 54.C**

- **Hope orbiter is an uncrewed space exploration mission to Mars by Mohammed bin Rashid Space Centre of UAE (United Arab Emirates).**
  - **It has recently captured images of glowing atmospheric lights in the Red Planet's night sky, known as discrete auroras.**
  - The UAE Space Agency said on its website that the data gathered by the orbiter "include far and extreme ultraviolet auroral emissions which have never been imaged before at Mars." Unlike auroras on Earth, which are seen only near the north and south poles, discrete auroras on Mars are seen all around the planet at night time.
- Hope Orbiter was launched on 19 July 2020 and reached Mars on 9 February 2021.
  - The primary objective of the mission is to **study Martian weather dynamics.**
  - The space probe will study daily and seasonal weather cycles, weather events in the lower atmosphere such as dust storms, and how the weather varies in different regions of the planet.
  - **United Arab Emirates became the first Arab country and the fifth country to reach Mars and the second country to successfully enter Mars' orbit on its first try (India being the first with its 2014 Mars Orbiter Mission).**
- An aurora is a natural phenomenon that is characterized by a display of a natural-colored (green, red, yellow or white) light in the sky. It is a light show which is caused when electrically charged particles from the sun collide with particles from gases such as oxygen and nitrogen present in the Earth's atmosphere.
- **Hence, option (c) is the correct answer.**

**Q 55.A**

- The draft of the First Five Year Plan and then the actual Plan Document, released in December 1951. The First Five Year Plan (1951–1956) sought to get the country's economy out of the cycle of poverty.
- The First Five Year Plan addressed, mainly, the agrarian sector including investment in dams and irrigation. The agricultural sector was hit hardest by partition and needed urgent attention. **Huge allocations were made for large-scale projects like the Bhakhra Nangal Dam. Hence, statement 1 is correct.**
- The Plan identified the pattern of land distribution in the country as the principal obstacle in the way of agricultural growth. **It focused on land reforms as the key to the country's development. Hence, statement 2 is correct.**
- One of the basic aims of the planners was to raise the level of national income, which could be possible only if the people saved more money than they spent. As the basic level of spending was very low in the 1950s, it could not be reduced anymore. So the planners sought to push savings up. That too was difficult as the total capital stock in the country was rather low compared to the total number of employable people.