



## CURRENT AFFAIRS

### 1. BUDGET 2024 UNVEILS INR 1 LAKH CRORE CORPUS FOR PRIVATE SECTOR R&D INCENTIVES -

- In a groundbreaking move to foster research and development (R&D) within the private sector, Finance Minister Nirmala Sitharaman, during the Interim Budget 2024



announcement,

disclosed the establishment of a substantial financial corpus amounting to INR 1 lakh crore. This corpus aims to provide low-cost or interest-free loans, extending up to 50 years, specifically dedicated to fueling research and innovation endeavors within the private industry.

- Private companies eligible for interest-free loans for 50 years. INR 1 lakh crore corpus facilitating long-term financing or refinancing. Encouraging significant scaling up of research and innovation in emerging domains.
- Aligns with government efforts to boost private sector participation in research activities. National Research Foundation (NRF) established last year with a spending target of INR 50,000 crore over the next five years. Over 70% of NRF funding expected from the private sector.



**2. THE SUPREME COURT QUESTIONED THE UNION TERRITORY OF JAMMU AND KASHMIR ABOUT THE NON-PUBLICATION OF ORDERS FOR THE SUSPENSION OF INTERNET SERVICES IN THE UT. -**

- In the past few years India had gone through several violence acts as a result of certain legislations by the Union Government such as The Citizenship Amendment Act, abrogation of Article 370 etc. which could have resulted in Internal Aggression.
- **Due to which it becomes the need of the hour to shut down the internet services to maintain peace.**
- It has become very common practice for law enforcement agencies and even for the Government to cut down the internet during the moment of tension.
- Till the year 2017, **shutdowns were imposed largely under Section 144 of the Code of Criminal Procedure (CrPC).**
- **Section 144 of CrPC gave the police and the District Magistrate the powers in order to prevent unlawful gathering of people and also to direct any person to abstain from a certain activity.**
- However, in 2017 the law was amended and the Government promulgated the Temporary Suspension of Telecom Services (Public Emergency or Public Safety) Rule 2017.
- Under the 2017 Rules, telecom/internet shutdowns may be ordered on grounds of public emergency and public safety.
- Public emergency and public safety have not been defined in the 1885 Act or the 2017 Rules.





**3. HYBRID VEHICLE VS ELECTRIC VEHICLE –**

What is the difference between hybrid vehicles and electric vehicles?

Key aspects	Hybrid vehicle	Electric vehicle
Power source	It use a combination of an internal combustion engine (ICE) and an electric motor.	It is powered a solely by electricity from battery.
Energy source	Electricity and fossil fuels like petrol and diesel are used as the source of energy to drive the vehicle.	Electricity stored in batteries is the main source of energy to drive the car.
Fuel efficiency	They are generally more fuel-efficient than traditional gasoline-powered vehicles but not as efficient as EVs	They can be driven for longer distances on single charge.
Emissions	They emit fewer pollutants and greenhouse gases compared to traditional gasoline-powered vehicles but still emit some emissions from ICE.	They produce zero tailpipe emissions and are considered one of the cleanest forms of transportation.
Recharging	They do not need to be recharged as they use gasoline to power the battery. The electric battery in hybrid vehicle can be recharged through regenerative braking and other methods.	They must be plugged in for recharging.

Maintenance	They require regular maintenance, including oil changes and other routine maintenance tasks associated with internal combustion engines	They have fewer moving parts and generally require less maintenance.
Cost	They are generally more affordable than electric vehicles	The cost of electric vehicles is decreasing as technology improves and production increases.



## Quiz

**Q1. In the field of brain-computer interfaces (BCIs), which neurotechnology company successfully implanted its first brain chip into a human being?**

- a) Neuralink
- b) MindSync
- c) CerebroTech
- d) SynapticConnect

**Q2. Who leads the Sixteenth Finance Commission, which was constituted on December 31, 2023?**

- a) Ajay Narayan Jha
- b) Annie George Mathew
- c) Arvind Panagariya
- d) Soumya Kanti Ghosh

**Q3. In which Indian state has the 'Sadak Surakhya Force' (SSF) been launched to enhance road safety, covering a 5,500 km stretch of national and state highways?**

- a) Haryana
- b) Uttar Pradesh
- c) Rajasthan
- d) Punjab 2

**Q4. Who authored the report titled "The Indian Economy: A Review" assessing India's economic trajectory over a decade?**

- a) Krishnamurthy Subramanian
- b) Mr. Satyendra Kishore
- c) V Anantha Nageswaran
- d) Sh. S. Ramakrishnan

**Q5. Which article of the Constitution states that "There shall be a Supreme Court of India" ?**

- a) Article 124
- b) Article 129
- c) Article 110
- d) Article 112

**Q6. INSAT-3DS, recently launched by ISRO, is what kind of satellite ?**

- a) Geostationary satellite
- b) Meteorological satellite
- c) Communication satellite
- d) Earth observation satellite

### Answer Key

1	2	3	4	5	6
a	c	d	c	a	b