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Daily Current Affairs Encyclopedia

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National and International News

<p>FWD-200B</p> 	<p>Why in news?</p> <ul style="list-style-type: none">● FWD-200B, India's first indigenous bomber UAV aircraft, was unveiled by Flying Wedge Defence, a pioneer in India's defence and aerospace technology sector. <p>About FWD-200B:</p> <ul style="list-style-type: none">● The cost of the indigenous FWD-200B is significantly lower (Rs 25 crores) compared to the US Predator (Rs 250 crores), demonstrating India's commitment to self-reliance and cost-effective defence solutions.● The FWD-200B has a payload capacity of 100 kgs and is classified as a MALE Unmanned Combat Aerial Vehicle (medium-altitude, long-endurance).● It consists of optical surveillance payloads and is integrated with missile-like weapons for precision air strikes.● The FWD-200B has a max speed of 200 kts/370 kmph and an endurance capacity of 12-20 hours.
<p>LockBit Ransomware</p>	<p>Why in news?</p> <ul style="list-style-type: none">● Dimitry Yuryevich Khoroshev, a Russian national, has recently been indicted by the USA.● Khoroshev is allegedly involved with the LockBit ransomware. <p>About LockBit Ransomware:</p> <ul style="list-style-type: none">● LockBit Ransomware is a malicious tool designed to block user access to computer systems, demanding a ransom payment for access restoration.● It was formerly known as "ABCD" ransomware, but has evolved into a unique threat within the extortion tools landscape.● It belongs to a subclass of ransomware known as a 'crypto virus', which forms its ransom requests around financial payment in exchange for decryption.● The software primarily targets enterprises and government organizations rather than individuals, functioning as ransomware-as-a-service (RaaS).



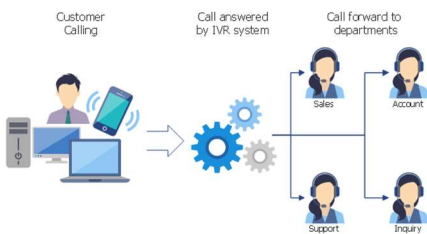
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Interactive Voice Response System (IVRS)

IVR Interactive Voice Response

Time and cost saving solution for customer service automation



Why in news?

- Political parties are making **Interactive Voice Response System (IVRS) calls**.
- These calls are being received by voters on a daily basis recently.

About IVRS:

- It is an **automated telephone system technology** that **allows callers to interact with a computer system via voice or menu inputs**.
- This system **enables callers to receive or provide information, or make requests without the need for a live agent**.
- The system is **powered by either pre-recorded messaging or text-to-speech technology**.
- It uses a **dual-tone multi-frequency (DTMF) interface for interaction**.

Solar energy in India

Why in news?

- **In 2023, India surpassed Japan to become the world's third-largest solar power generator.**
- This achievement highlights India's significant commitment to renewable energy growth.

Key points:

- **Solar energy contributed 5.5% globally, with India's production increasing significantly since 2015.**
- **India experienced the world's fourth-largest surge in solar generation in 2023, adding 18 Terawatt hours (TWh) to its capacity.**
- This surge was placed behind **China (+156 TWh)**, followed by the **United States (+33 TWh)**, and **Brazil (+22 TWh)**.
- These **top four countries accounted for 75 percent of global solar growth** that year.
- **India's share of solar generation surged from 0.5 percent in 2015 to 5.8 percent in 2023.**
- According to the **International Energy Agency's (IEA) "Net Zero Emissions" scenario**, solar energy's contribution is projected to rise to 22 percent of global electricity generation by 2030.



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Capital Gains Tax

Why in news?

- The Finance Minister has denied reports that the Income Tax (I-T) Department is planning to introduce changes in the capital gains tax structure.

About Capital Gains Tax:

- Capital gains are profits accumulated from the sale of any capital asset.
- Examples of capital assets include land, buildings, house property, vehicles, patents, trademarks, leasehold rights, machinery, and jewellery.
- Capital assets also include rights in or in relation to an Indian company, including management, control, or any other legal rights.
- Capital gains can be either short-term or long-term, depending on the duration of asset holding.
- Since profits are categorised as 'income', they are liable for taxation, known as Capital Gains Tax (CGT).
- CGT is levied when an asset is transferred between owners and applies to both individuals and businesses.

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