

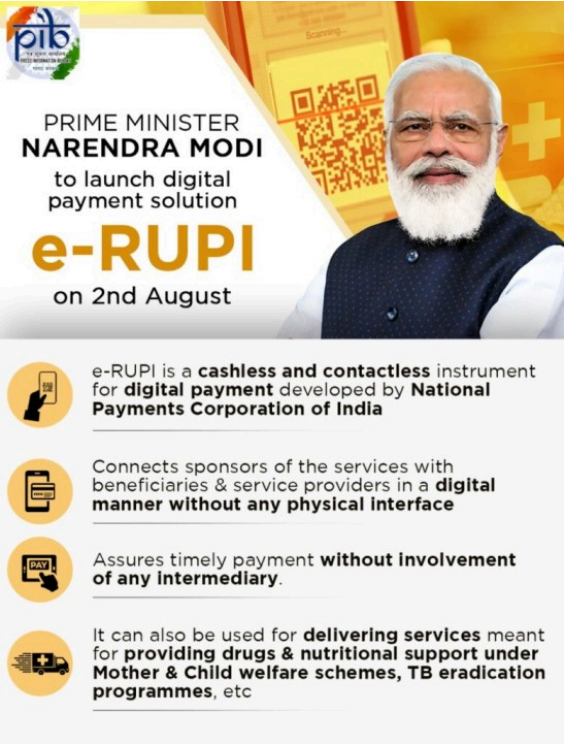


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National and International News

<p>Sucralose</p>	<p>Why in the news?</p> <ul style="list-style-type: none"> • A recent Indian study found that replacing sucrose (table sugar) with sucralose (an artificial sweetener) had no adverse effects on glucose or HbA1c levels and led to a slight improvement in body mass index (BMI). <p>About Sucralose:</p> <ul style="list-style-type: none"> • Sucralose is a no-calorie sweetener used to reduce added sugar intake while still enjoying sweetness. • Sugar substitutes include low-calorie (e.g., aspartame) and no-calorie sweeteners (e.g., sucralose, monk fruit, stevia). • Sucralose is about 600 times sweeter than sugar. • It can be used as an ingredient in any food or beverage. • Production of Sucralose: <ul style="list-style-type: none"> ○ Sucralose is made from regular table sugar (sucrose). ○ Digestive Resistance: Sucralose's structure prevents digestive enzymes from breaking it down, contributing to its safety. • Excretion: <ul style="list-style-type: none"> ○ Approximately 85% of consumed sucralose is not absorbed and is excreted unchanged in the feces. ○ About 15% is absorbed but is not metabolized for energy, hence sucralose provides no calories. • Elimination: All absorbed sucralose is rapidly excreted in the urine.
<p>QCI Surajya Recognition & Ranking Framework</p>	<p>Why in the news?</p> <ul style="list-style-type: none"> • The Quality Council of India recently introduced the QCI Surajya Recognition & Ranking Framework to drive excellence in key sectors. <p>About QCI Surajya Recognition & Ranking Framework:</p> <ul style="list-style-type: none"> • Objective: Drive excellence among states to improve the quality of life of citizens and create a



	<p>developed India by recognizing and rewarding states and organizations that excel in quality and innovation.</p> <ul style="list-style-type: none"> ● Framework Categories: <ul style="list-style-type: none"> ○ Shiksha (Education) ○ Swasthya (Health) ○ Samriddhi (Prosperity) ○ Sushasan (Governance) ● Surajya Recognition: Acknowledges outstanding performance and commitment to quality by states and organizations in the four vital areas.
<p>e-rupee</p> 	<p>Why in the news?</p> <ul style="list-style-type: none"> ● Fintech companies aim to participate in the Indian central bank's digital currency project, enabling users to transact in e-rupee through the Unified Payments Interface (UPI). <p>About e-rupee:</p> <ul style="list-style-type: none"> ● Issuance and Launch: <ul style="list-style-type: none"> ○ Digital currency issued by the Reserve Bank of India (RBI). ○ Launched on a pilot basis in December 2022. ● Availability and Usage: <ul style="list-style-type: none"> ○ Offered by select public and private banks in major cities. ○ Usable for both person-to-person and person-to-merchant transactions. ● Purpose: <ul style="list-style-type: none"> ○ Provides an additional option for using money. ○ Entirely in electronic form, does not leave a computer network. ● Legal Tender: <ul style="list-style-type: none"> ○ Similar to banknotes issued by the RBI. ○ Can only be transacted online. ● Interest and Conversion: <ul style="list-style-type: none"> ○ Does not attract interest payments from the central bank. ○ Deposits in banks can be converted into digital rupees and vice versa.
<p>Earth Observation Satellite-8</p>	<p>Why in the news?</p> <ul style="list-style-type: none"> ● ISRO's Earth Observation Satellite-8 (EOS-8) is set to launch on August 15 from Sriharikota, Andhra



	<p>Pradesh, via the Small Satellite Launch Vehicle (SSLV)-D3.</p> <p>About Earth Observation Satellite-8:</p> <ul style="list-style-type: none"> ● Launch Vehicle: Small Satellite Launch Vehicle (SSLV)-D3 ● Primary Objectives: <ul style="list-style-type: none"> ○ Design and develop a microsatellite. ○ Create payload instruments compatible with the microsatellite bus. ○ Incorporate new technologies for future operational satellites. ● Applications: <ul style="list-style-type: none"> ○ Satellite-based surveillance. ○ Disaster monitoring. ○ Environmental monitoring. ○ Fire detection. ○ Volcanic activity observation. ○ Industrial and power plant disaster monitoring. ● Mission Life: One year.
<p>Asset Management Companies (AMCs)</p>	<p>Why in the news?</p> <ul style="list-style-type: none"> ● SEBI stated in a recent circular that CEOs, Managing Directors (MDs), or equivalent officials of Asset Management Companies (AMCs) will be held accountable for implementing mechanisms to prevent potential market abuse. <p>About AMCs:</p> <ul style="list-style-type: none"> ● Definition: A financial institution that pools funds from multiple investors to invest in various financial instruments (stocks, bonds, real estate) to generate returns in exchange for a fee. ● Types of AMCs: <ul style="list-style-type: none"> ○ Hedge Funds ○ Mutual Funds ○ Index Funds ○ Exchange-Traded Funds (ETFs) ○ Private Equity Funds ○ Other Funds ● Role and Functions of AMCs: <ul style="list-style-type: none"> ○ Investment Decisions: Make decisions on investors' behalf, manage assets in portfolios.



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- **Portfolio Management:** Choose suitable investments, help investors grow their money.
- **Professional Fund Managers:** Appoint qualified fund managers with investment expertise.
- **Investment Strategies:** Employ strategies and risk management techniques to manage portfolios and protect assets.
- **Support System:** Have research analysts to assist fund managers.
- **Regulation:** Securities and Exchange Board of India (SEBI)



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