




04 December 2024

National and International News

<p>Indian healthcare market projected to reach \$638 bn by 2025</p>	<p>Context:</p> <ul style="list-style-type: none"> • A recent report by Bajaj Finserv AMC revealed that the Indian healthcare sector is growing rapidly and is projected to reach \$638 billion by 2025. • Valued at \$110 billion in 2016, the Indian healthcare market reached \$372 billion in 2023, marking a 22.5 per cent CAGR growth during this period. • Overall, the sector has seen a 17.5 per cent CAGR growth in the last decade. • The report identified large-scale innovation in hospitals, pharmaceuticals, diagnostics, and other industries as primary drivers behind the growth.
<p>Indian Navy Day</p> 	<p>Context:</p> <ul style="list-style-type: none"> • Indian Navy Day is celebrated annually on December 4th. • Aim is to commemorate the successful naval operation 'Operation Trident' during the Indo-Pakistani War of 1971. • This operation involved a daring attack on the Karachi harbor, which significantly weakened the Pakistan Navy. <p>Theme:</p> <ul style="list-style-type: none"> • This year's theme is, "Strength and Power through Innovation and Indigenisation." • It emphasises the Navy's focus on enhancing defense capabilities through self-reliance and cutting-edge technology.
<p>ecDNA challenges law of genetics</p>	<p>Context:</p> <ul style="list-style-type: none"> • Extrachromosomal DNA (ecDNA) is emerging as a groundbreaking discovery that challenges traditional understanding of genetics. • These small, circular DNA molecules can rapidly amplify genes, leading to accelerated cancer growth and drug resistance. • The discovery of ecDNA has opened up new avenues for cancer research and treatment. • By targeting ecDNA, scientists may be able to develop more effective therapies to combat this deadly disease. <p>Key findings about ecDNA:</p> <ul style="list-style-type: none"> • Rapid Evolution: ecDNA can evolve rapidly, enabling cancer cells to adapt to treatment and become resistant to therapy.



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	<ul style="list-style-type: none"> ● Gene Amplification: It can amplify specific genes, driving tumor growth and aggressiveness. ● Potential Therapeutic Target: Understanding ecDNA could lead to the development of new targeted therapies to combat cancer.
Person in News: SHRI R. VENKATARAMAN	<p>Context:</p> <ul style="list-style-type: none"> ● The President of India paid floral tributes to Shri R. Venkataraman on his birth anniversary at Raj Bhavan, Bhubaneswar. <p>Key Points:</p> <ul style="list-style-type: none"> ● R. Venkataraman was an Indian politician who served as the 8th President of India from 1987 to 1992. ● Prior to his presidency, he held various significant positions in the Indian government, including Finance Minister and Defense Minister. ● Known for his integrity and dedication to public service, Venkataraman played a crucial role in India's economic liberalization and modernization.
National Legal Metrology Portal (eMaap)	<p>Context:</p> <ul style="list-style-type: none"> ● The Department of Consumer Affairs, Government of India, is developing a National Legal Metrology Portal (eMaap). ● Aim is to integrate State Legal Metrology Departments and their portals into a unified National System. ● This digital platform also aims to streamline and modernize legal metrology activities in India. <p>Key objectives of eMaap:</p> <ul style="list-style-type: none"> ● Centralized Database: Create a centralized database of all stakeholders involved in legal metrology, including manufacturers, importers, and traders. ● Real-time Monitoring: Enable real-time monitoring of market activities and identify potential violations. ● Consumer Protection: Empower consumers by providing information about product standards, weights, and measures. ● Efficient Enforcement: Facilitate efficient enforcement of legal metrology laws and regulations. ● Transparency and Accountability: Promote transparency and accountability in the legal metrology ecosystem.



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