




04 December 2024

National and International News

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



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



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