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Nobel Prize

Physics



Pierre
Agostini

Ferenc
Krausz

Anne
L'Huillier

- This year's (2023) Nobel Prize in Physics has been announced.

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- According to the announcement made by the Royal Swedish Academy, Pierre Agostini, Ferenc Krausz and Anne L'Huillier have received the Nobel Prize in Physics.
- The three scientists developed instruments that could see the world of electrons in attosecond timescales.
- Attosecond means $1/1,000,000,000,000,000,000$ part.
- In these same number of attoseconds, one second is completed and in the same number of seconds, the age of the universe is also known.



Online First Information Report (FIR) of the 22nd Law Commission



- The Law Commission has submitted its 282nd report to the Ministry of Law and Justice.



- The title of this report is- 'Amendment in Section 154 of the Code of Criminal Procedure, 1973 for filing FIR through online medium.'
- Section 154 of the Code of Criminal Procedure, 1973 mentions the procedure for filing an FIR when a cognizable offense is committed.
- Main Recommendations:-
 - e-FIR should be implemented in a phased manner. Filing of e-FIR should be allowed in case of all such cognizable offences where the identity of the accused is not known or the identity of the accused is known and punishable with imprisonment up to 3 years.
 - States should have the power to expand the list of crimes.
 - Protection of the parties' right to privacy must be ensured.
 - Informant/complainant should be verified and provision of punishment should be made for giving false information.
 - Filing of e-complaint should be allowed in case of all non-cognizable offences.
 - There is a need to focus on capacity building.

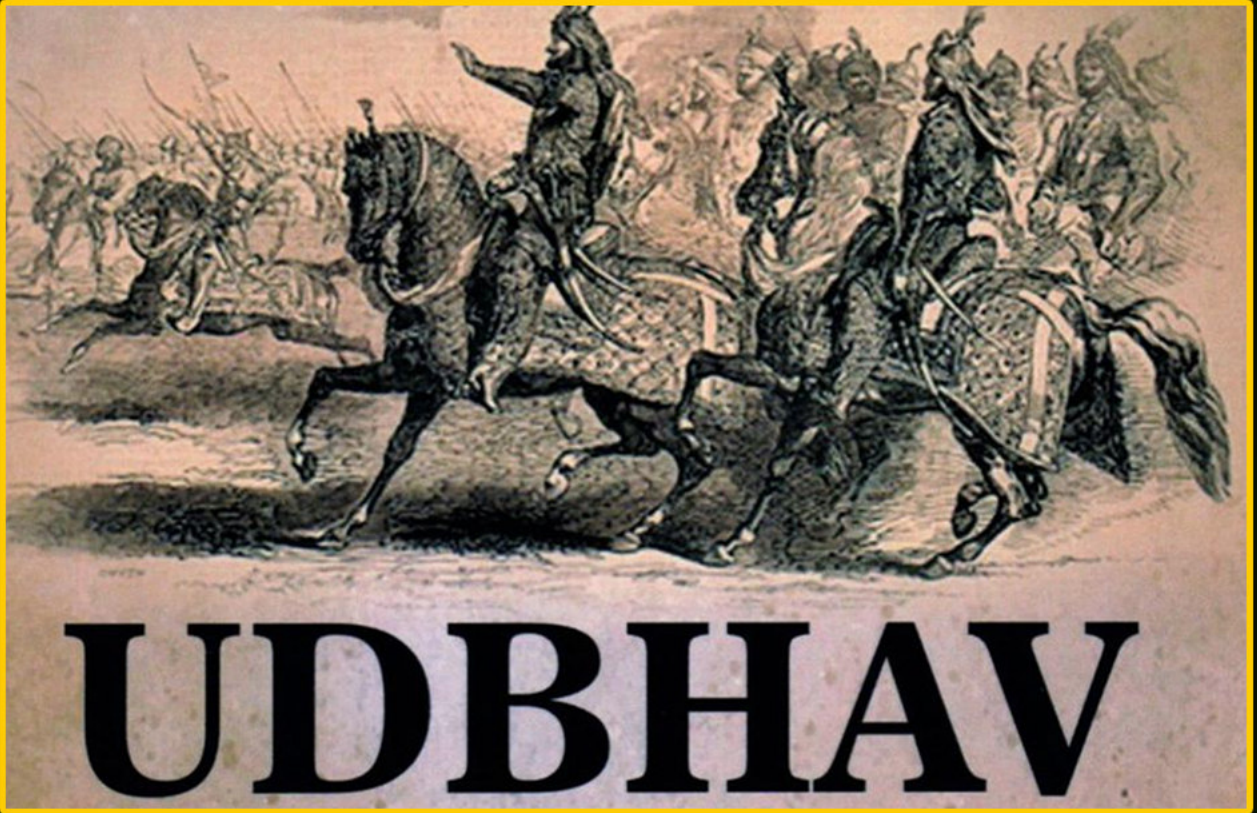


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Project Udbhav



- Project Udbhav is an initiative launched by the Indian Army to explore the rich Indian heritage of statecraft and strategic ideas derived from the ancient Indian texts of statecraft, warcraft, diplomacy and brilliant strategy.

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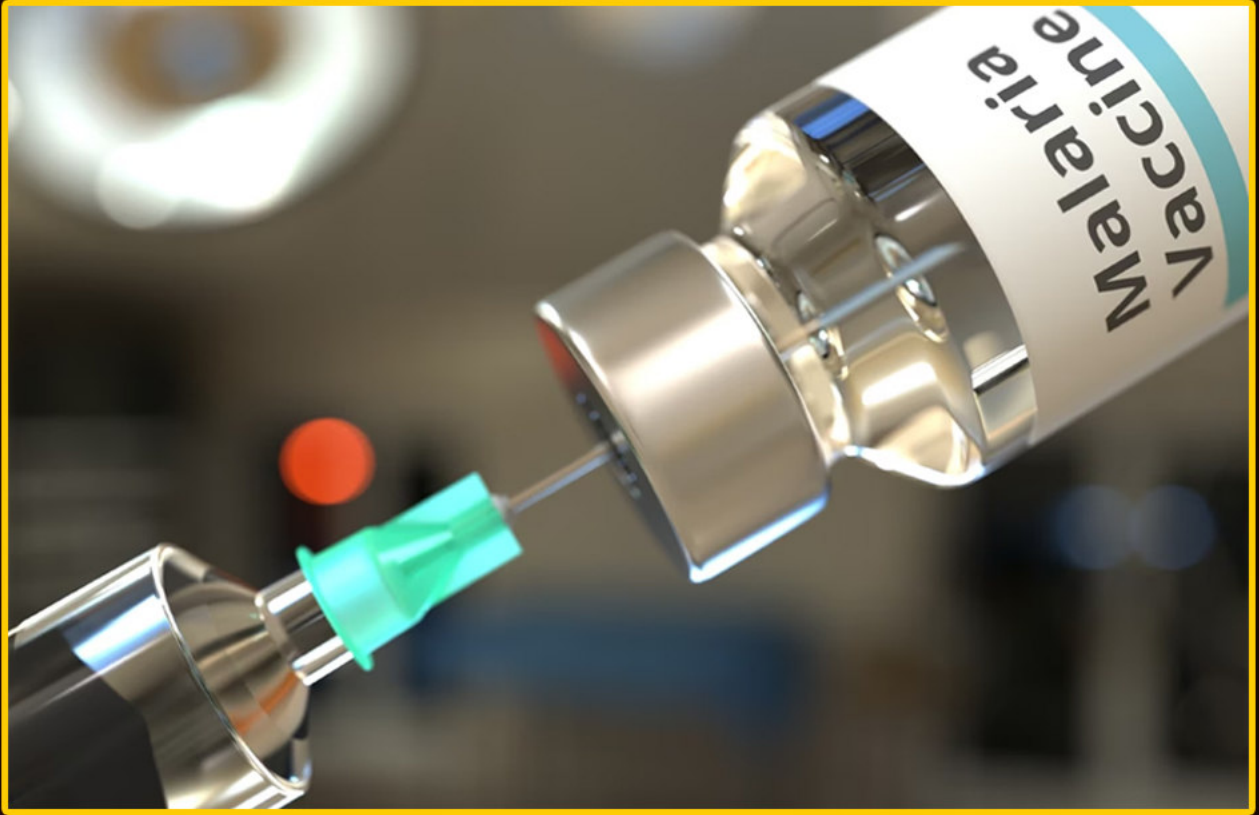


- Project Udbhav attempts to bridge historical and contemporary military strategies. This is an initiative of the Indian Army.
- The project aims to understand the intricacies of indigenous military systems, their evolution and the strategic thought processes that govern the land.





Vaccine R21 / Matrix-M



- The World Health Organization (WHO) has approved the second malaria vaccine, R21/Matrix-M.
- Earlier in the year 2021, the RTS, S/AS01 vaccine for malaria was released.



- This new vaccine has been prepared by Oxford University of Britain.
- This research showed that this vaccine is more than 75 percent effective.
- The price of one dose of the vaccine will be between Rs 166 to Rs 332.
- The first study of malaria was done by scientist Charles Louis Alphonse Laveran in 1880.
- British doctor Ronald Ross proved the complete life cycle of the malaria parasite in mosquitoes.
- He received the Nobel Prize for Physiology or Medicine in 1902 for his work on malaria.

Malaria
vaccine

