

EVERYDAY CURRENT AFFAIRS – OCTOBER 09, 2024

SCHEMES

- **Humsafar Policy**
- ✓ 'Humsafar Policy' has been launched by Union Minister Nitin Gadkari.



- ✓ This policy has been launched to improve national highway travel and boost wayside amenities.
- ✓ The policy will enhance the convenience of traveling on national highways.
- ✓ It will accelerate the development of wayside amenities.
- ✓ Commuters will gain from the "Humsafar" policy by having access to standardised, clean, and well-maintained facilities.

AWARDS

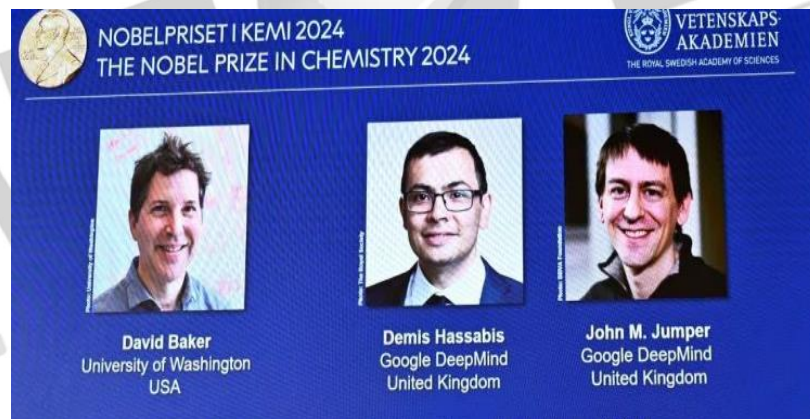
- **Nobel Prize in Physics**
- ✓ The 2024 Nobel Prize in Physics has been awarded to **John Hopfield and Geoffrey Hinton** "for foundational discoveries and inventions that enable machine learning with artificial neural networks", the Royal Swedish Academy of Sciences announced on Tuesday.



✓ While many areas of research have used machine learning models and artificial neural networks (ANNs) to process data, these terms have entered the household, thanks to the explosion of chat AI apps, including ChatGPT.

➤ **Nobel Prize in Chemistry**

✓ The 2024 Nobel Prize in Chemistry has been awarded to **David Baker** for his innovative work in computational protein design and to **Demis Hassabis** and **John M. Jumper** for their groundbreaking AI-based protein structure prediction.



✓ These discoveries, recognized by the Royal Swedish Academy of Sciences, represent major advancements in understanding and designing proteins.

SCIENCE, TECHNOLOGY & ENVIRONMENT

➤ **CIBA Develops New System to Improve Shrimp Production**



- ✓ At a time when production cost and climate changes affect the output and profitability of shrimp farming, the city-based Central Institute of Brackishwater Aquaculture (CIBA) has developed a new-age production system that can yield 100 to 120 tonnes of shrimp per hectare in three crop cycles (100 days/cycle) in a year.
- **Upper Stage of PSLV C-37 Returns to Earth, says ISRO**
- ✓ The Indian Space Research Organisation (ISRO) said that the upper stage of the Polar Satellite Launch Vehicle C-37 (PSLV C-37 mission) re-entered the Earth's atmosphere on Sunday.



- ✓ The PSLV-C37 mission was launched on February 15, 2017, with Cartosat-2D as the main payload along with another 103 satellites as co-passengers.
- ✓ The space agency created history as it was the first mission to launch 104 satellites with a single vehicle.
- **India has Eliminated Trachoma, says WHO**
- ✓ The World Health Organization (WHO) has now recognised that India has successfully eliminated trachoma, a bacterial infection that affects the eyes, as a public health problem.



- ✓ In a citation shared by Saima Wazed, Regional Director, WHO South-East Asia, on Tuesday, the UN health body announced that India is the third country in the Southeast Asia Region to reach this public health milestone.

IMPORTANT DAYS

- **World Post Day: October 09**
- ✓ World Post Day is celebrated each year on 9 October.



- ✓ “150 years of enabling communication and empowering peoples across nations” is the theme of this year’s World Post Day.
- ✓ The purpose of World Post Day is to create awareness of the role of the postal sector in people’s and businesses’ everyday lives.

