

## Courses

ACC (1) AFCAT (1) AIRMEN (2) CAPF (1) CDS EXAM (2) INET OFFICER (1) MNS (1) MOCK TEST (3) NDA EXAM (1) PC(SL) (1) SCO (1) SSB INTERVIEW (1) TERRITORIAL ARMY (1)



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CDS Exam Online Course 2021 – 2022

★★★★★ 5 (80)

₹ 4,999.00



BEST SELLER

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CDS OTA Exam Online Course 2021 – 2022

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₹ 4,499.00



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AFCAT Exam Online Course 2022

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HIGHEST RATED

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NDA Exam Online Course 2021 – 2022

★★★★★ 5 (72)

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HOT & NEW

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Territorial Army Exam Online Course 2021 – 2022

★★★★★ 5 (53)

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HOT & NEW

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ACC Exam Online Course Army Cadet College 2021 – 2022

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₹ 6,999.00



HOT & NEW

OIR TEST & PPDT

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★★★★★ 5 (50)

₹ 2,999.00



BEST SELLER

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MNS Military Nursing Service Exam Online Course 2022

★★★★★ 5 (44)

₹ 4,999.00



HOT & NEW

AFCAT EXAM MOCK TEST SERIES

37 PEOPLE ONLINE NOW

AFCAT Exam Online Mock Test Series

★★★★★ 5 (65)

₹ 299.00



BEST SELLER

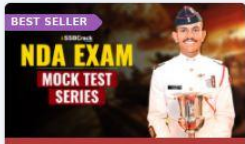
CDS EXAM MOCK TEST SERIES

36 PEOPLE ONLINE NOW

CDS Exam Online Mock Test Series

★★★★★ 5 (79)

₹ 299.00



BEST SELLER

NDA EXAM MOCK TEST SERIES

18 PEOPLE ONLINE NOW

NDA Exam Online Mock Test Series

★★★★★ 5 (72)

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HOT & NEW

37 PEOPLE ONLINE NOW

UPSC CAPF Assistant Commandant Online Course 2022

★★★★★ 5 (46)

₹ 4,999.00

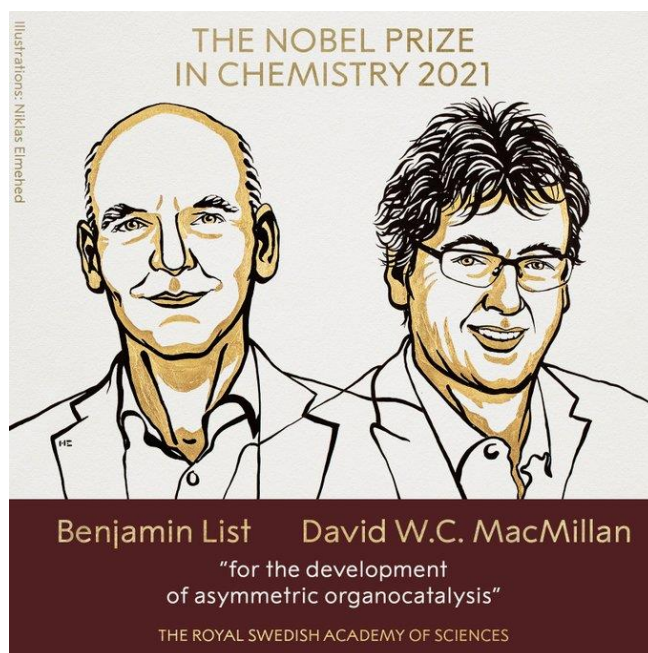


# DAILY CURRENT AFFAIRS

## 07 October 2021

### Benjamin List, Briton David MacMillan win Nobel Prize in Chemistry

- Two scientists have been awarded the 2021 Nobel Prize in Chemistry for their work on building molecules that are mirror images of one another. German-born Benjamin List and Briton David MacMillan were announced on Wednesday as the winners at an event in Stockholm.
- Their chemical toolkit has been used for discovering new drugs and making molecules that can capture light in solar cells. The winners will share the prize money of 10 million Swedish kroner (1,135.54 million US Dollars).
- The technique, called asymmetric organocatalytic, has made it much easier to produce asymmetric molecules - chemicals that exist in two versions, where one is a mirror image of the other.
- Chemists often just want one of these mirror images - particularly when producing medicines - but it has been difficult to find efficient methods for doing this.



## **Good Samaritans rushing accident victims to hospital to be awarded Rs 5,000: Govt**

- The Union Ministry of Road Transport and Highways has launched a Scheme for grant of Award to the Good Samaritan who has saved the life of a victim of a fatal accident involving a motor vehicle by administering immediate assistance.
- The Scheme mainly aims to motivate the general public to help road accident victims in emergency situations, inspire and motivate others to save innocent lives on road. The Scheme would be effective from 15th of this month.
- In the guidelines issued in this regard, the Ministry said, any individual who has saved the life of a victim of a fatal accident by administering immediate assistance and rushing to Hospital within the Golden Hour of the accident would be eligible for the award. It said, an individual Good Samaritan can be awarded a maximum 5 times in a year.

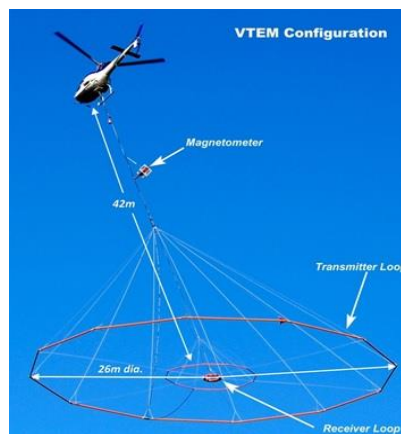
## **PM Modi to dedicate 35 PSA Oxygen Plants across 35 States and UTs**

- Prime Minister Narendra Modi will dedicate to the nation 35 Pressure Swing Adsorption-PSA Oxygen Plants established under PM CARES, across 35 States and Union Territories, in an event to be held at AIIMS, Rishikesh in Uttarakhand.
- With this, all districts of the country will now have commissioned PSA Oxygen Plants. Prime Minister will also address the gathering on the occasion.
- Till now, a total of one thousand two hundred 24 PSA Oxygen Plants have been funded under PM CARES across the country, out of which more than one thousand one hundred Plants have been commissioned, providing an output of over one thousand 750 metric tons oxygen per day.
- Pressure swing adsorption process (PSA) is based on the phenomenon that under high pressure, gases tend to be trapped onto solid surfaces, i.e., to be "adsorbed". The higher the pressure, the more gas is adsorbed. When the pressure is dropped, the gas is released, or desorbed.
- Operations and maintenance of these plants have been ensured by training more than 7,000 personnel. They come with an embedded Internet of Things (IoT) device for real time monitoring of their functioning and performance through a consolidated web portal.



## Heli-Borne Survey for Water Management

- Ministry of Jal Shakti has launched a Heli-Borne Survey Technology for water management in the arid areas of Rajasthan.
- Developed by Council of Scientific and Industrial Research (CSIR)-National Geophysical Research Institute (NGRI), it will provide information about level, quantity, quality, and information of ground water.
- The NGRI is a geoscientific research organization established in 1961 under the CSIR.
- The Heli-borne geophysical mapping technique of CSIR-NGRI provides a high-resolution 3D image of the subsurface up to a depth of 500 metres below the ground.
- The main advantages of the Heliborne geophysical survey is that it is fast, highly data dense, precise, and economical.





## Russian Film Crew in Orbit to make First Movie in Space

- A Russian actor and a film director rocketed to space on a mission to make the world's first movie in orbit, a project the Kremlin said will help the nation's space glory.
- Actor Yulia Peresild and director Klim Shipenko blasted off for the International Space Station in a Russian Soyuz spacecraft together with cosmonaut Anton Shkaplerov, a veteran of three space missions. Their Soyuz MS-19 lifted off yesterday from the Russian space launch facility in Baikonur, Kazakhstan and arrived at the station after about 3½ hours. The trio reported they were feeling fine and spacecraft systems were functioning normally.
- Peresild and Klimenko are to film segments of a new movie titled "Challenge," in which a surgeon played by Peresild rushes to the space station to save a crew member who needs an urgent operation in orbit.



## 13th Edition of 'Design and Engineering Summit' of NASSCOM

- For the past 12 years, NASSCOM has been holding an annual Design & Engineering Summit, a global platform bringing together the Engineering, Research & Design (ER&D) ecosystem to discuss and deliberate the tenets for growth and sustainability.
- This year, with India being at the forefront of developing core ER&D capabilities, we wish to strengthen the momentum and create a common vision for the future among the ecosystem players. With this vision, the 13th edition of NASSCOM Design & Engineering Summit is scheduled for October 6-7, 2021. With the overarching theme of Engineering the Next, this will be a virtual conference bringing together global leaders & seasoned experts from high-end technology players, key innovators, manufacturing sector/OEMs, service providers, startups, academia, researchers, policymakers & eminent futurists.

## REVIEW QUESTIONS

1. 'Al Nagah' is conducted between India and \_\_\_?

- A. Oman
- B. Iran
- C. UAE
- D. Indonesia

**ANSWER: A**

2. The Joint Military Exercise between India and Maldives is called?

- A. Ekuverin
- B. CORPAT
- C. Zapad
- D. Gagan Shashtra

**ANSWER: A**

3. It is an India-Uzbekistan Joint Military Exercise

- A. Yudh Abhyas
- B. CORPAT
- C. DUSWTLIK
- D. Kanjhar

**ANSWER: C**

4. Surya Kiran is a Joint Military Exercise between India and

- A. USA
- B. Nepal
- C. Indonesia
- D. Bhutan

**ANSWER: B**

5. The first national flag of India is said to have been hoisted on 7th August 1906  
in \_\_\_\_\_.

- A. USA
- B. UK
- C. ASEAN
- D. EU

**ANSWER: B**

**6. Exercise 'Indradhanush' was held between India and**

- A. Germany
- B. UK
- C. France
- D. Italy

**ANSWER: B**

**7. 'Ajeya Warrior' Exercise was held between India and**

- A. Japan
- B. South Korea
- C. Canada
- D. UK

**ANSWER: D**

**8. Za'ir-Al-Bahr Exercise was held between India and**

- A. Qatar
- B. Kuwait
- C. UAE
- D. Yemen

**ANSWER: A**

**9. Bongosagar Exercise was held between India and**

- A. Bangladesh
- B. Burma
- C. Vietnam
- D. Indonesia

**ANSWER: A**













**10. Naseem-Al-Bahr Exercise was held between India and**

- A. Oman
- B. Iran
- C. UAE
- D. Indonesia

**ANSWER: A**

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