



NOBEL PRIZE

2023

स्ट लो, सारे सम्भावित प्रश्न



20 Oct to 10 October

FACTS

NOBEL
PRIZE
...
2023



Established : 1901

First awarded : 1901

Fields (6) : ⁽¹⁾ Physics, ⁽²⁾ Chemistry, ⁽³⁾ Physiology or Medicine,
~~(4)~~ Literature, ⁽⁵⁾ Peace and ⁽⁶⁾ Economic

Country : ✓ Sweden (all prizes except the Peace Prize); ✓ 10 December

✓ Norway (Peace Prize only) → Oslo.

Memory of Sir Alfred Nobel (Sweden) founder of the Nobel Prize
(invention of dynamite)

Economic Science Nobel Prize established : 1969



FACTS

REWARD :

They carry a **cash award** of ...

11 million Swedish kronor (about \$1 million).

*10 million Swedish
Kronor.*

(SDK).

Winners also receive an

18-carat gold medal and diploma.



FACTS

Ceremony Date :

10 December ✓

Number of Laureates :

609 Prizes to 975 Laureates (as of 2021) ✓ ✓



FACTS

Malala Yousafzai is the youngest Nobel Laureates who got the Peace Prize in 2014 at the age of just 17 years with Kailash Satyarthi.

2014 jointly ✓

- ① मलाला यूसुफजई
- ② कैलाश सत्यार्थी

✓ **मलाला यूसुफजई** सबसे कम उम्र की नोबेल पुरस्कार विजेता हैं, जिन्हें 2014 में महज 17 साल की उम्र में **कैलाश सत्यार्थी** के साथ शांति पुरस्कार मिला था।



FACTS

John Bardeen is the only Nobel Laureate who has been awarded the Nobel Prize in Physics twice, in 1956 and 1972.

Physics - 2 times

1956

1972

✓ **जॉन बार्डीन** एकमात्र नोबेल पुरस्कार विजेता हैं जिन्हें 1956 और 1972 में दो बार भौतिकी में नोबेल पुरस्कार से सम्मानित किया गया है।



FACTS

Marie Curie is the only one woman who has been honoured twice, with the **1903 Nobel Prize in Physics** and the **1911 Nobel Prize in Chemistry**.

Marie Curie → 1903 - Physics
✓ 1911 - Chemistry

मैरी क्यूरी एकमात्र ऐसी महिला हैं जिन्हें दो बार सम्मानित किया गया है, **1903** में भौतिकी में नोबेल पुरस्कार और **1911** में रसायन विज्ञान में नोबेल पुरस्कार।



FACTS

Frederick Sanger is the only Nobel Laureate who has been awarded the Nobel Prize in **Chemistry twice, in 1958 and 1980.**

Frederick Sanger — 1958 } Chemistry
— 1980 }

फ्रेडरिक सेंगर एकमात्र नोबेल पुरस्कार विजेता हैं जिन्हें **1958 और 1980** में दो बार रसायन विज्ञान में नोबेल पुरस्कार से सम्मानित किया गया है।



FACTS

Switzerland-based **International Committee of the Red Cross** is the only **3-time recipient of the Nobel Prize**, being conferred with **Peace Prize** in **1917, 1944, and 1963**.

3 times → *International Committee of the Red Cross* → *Peace*

1917
1944
1963

स्विट्ज़रलैंड स्थित **रेड क्रॉस की अंतर्राष्ट्रीय समिति** नोबेल पुरस्कार प्राप्त करने वाली एकमात्र **3 बार** है, जिसे **1917, 1944 और 1963** में शांति पुरस्कार से सम्मानित किया गया था।



FACTS

1st Indian
Literature → 1913

Rabindra Nath Tagore was the first Indian to receive the Nobel Prize for Literature in 1913 for his poetry collection Gitanjali. रवीन्द्र नाथ टैगोर

रवीन्द्र नाथ टैगोर अपने कविता संग्रह गीतांजलि के लिए 1913 में साहित्य का नोबेल पुरस्कार पाने वाले पहले भारतीय थे।



⑥ - six.

FACTS

Noble Prize categories are physics, chemistry, medicine, literature, peace and economics, the last being introduced in 1968.

नोबल पुरस्कार श्रेणियां भौतिकी, रसायन विज्ञान, चिकित्सा, साहित्य, शांति और अर्थशास्त्र हैं, आखिरी बार 1968 में शुरू की गई थी।



jointly

FACTS

Linus Pauling is the only person to have been awarded two unshared Nobel Prizes – the **1954 Nobel Prize in Chemistry** and the **1962 Nobel Peace Prize**.

Linus Pauling - 2 times → Unshared Nobel Prize →

1954 - Chemistry
1962 - Peace Prize

लिनुस पॉलिंग एकमात्र व्यक्ति हैं जिन्हें दो गैर-साझा नोबेल पुरस्कार से सम्मानित किया गया है - **रसायन विज्ञान में 1954 का नोबेल पुरस्कार** और **1962 का नोबेल शांति पुरस्कार**।



② ✓ Physics ✓ ② Peace ✓ ① Medicine
② ✓ Economics ✓ ① Literature ✓ ① Chemistry ✓ **FACTS**

⑨ Indian

9 INDIANS HAVE SO FAR WON THE NOBEL PRIZE

1. Rabindranath Tagore *Gitanjali* ✓ - (1913, Literature) ✓
2. CV Raman *- 1st Physics Raman Effect* (1930, Physics) ✓
3. Har Gobind Khorana *2nd Medicine* (1968, Medicine) ✓
4. Mother Teresa *1st Peace* (Peace, 1979) ✓
5. Subrahmanyan Chandrasekhar *2nd Physics* (1983, Physics) ✓
6. Amartya Sen *1st Econ.* (1998, Economics) ✓
7. Venkatraman Ramakrishnan *1st Chemistry* (2009, Chemistry) ✓
8. Kailash Satyarthi *1st Peace* (2014, Peace) ✓
9. Abhijit Vinayak Banerjee *1st Econ.* (2019, Economics) ✓

FACTS

Nobel Prize Summit 2023

THEME: Truth, Trust and Hope ✓





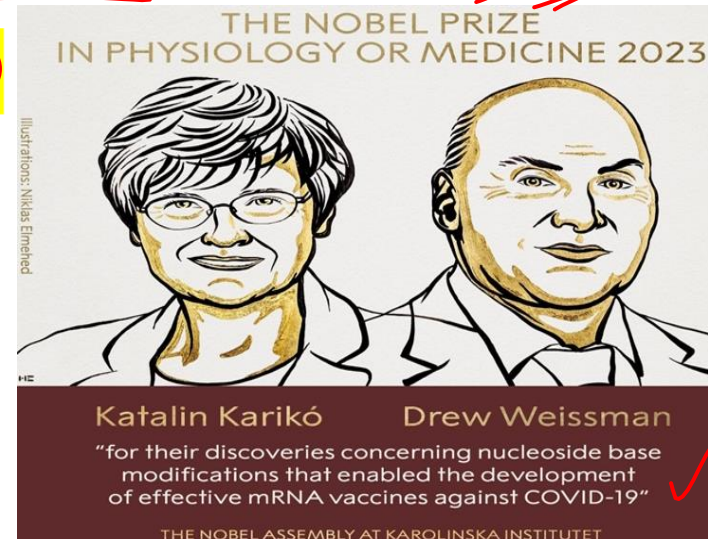
②
Physiology or Medicine 2023

2nd order

1. Katalin Karico (Hungarian -American)

2. Drew Weissman (USA)

For their work in mRNA vaccines



mRNA Vaccines – Approved at December 2020

Messenger Ribonucleic Acid



Physiology or Medicine 2023

University of Pennsylvania : US – Lasker Award in 2021 ✓

Formal Ceremony : Stockholm on 10th December ✓

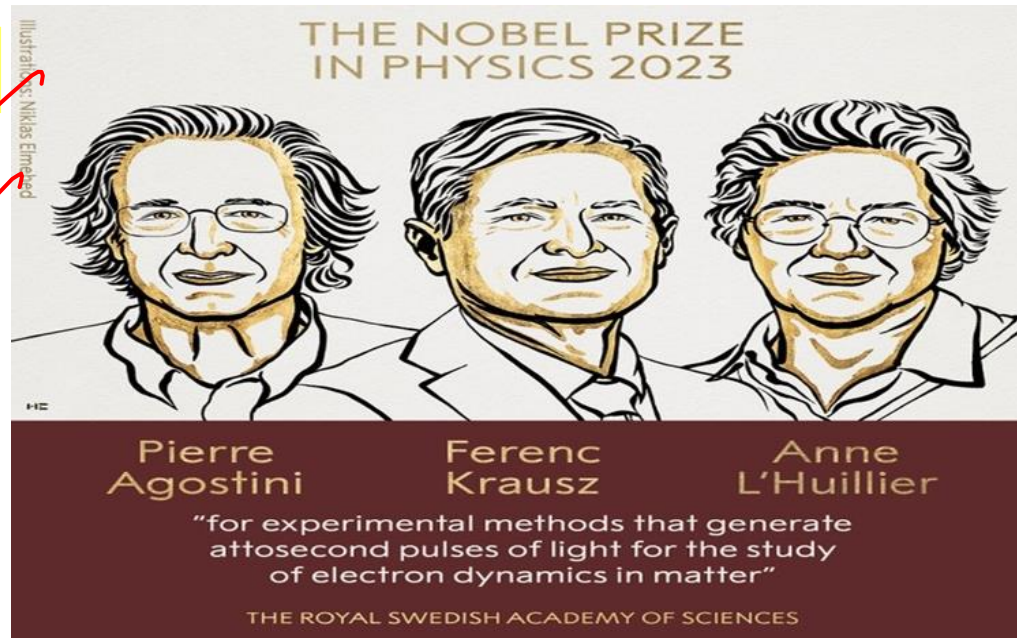


Physics 2023

1. Ferenc Krausz (Germany)

2. Anne L'Huillier (Sweden)

3. Pierre Agostini (USA)



for "experimental methods that generate attosecond pulses of light for the study of electron dynamics in matter".



Physics 2023

The laureates have created **flashes of light** that are **short enough to take snapshots of electrons'** extremely rapid movements.

पुरस्कार विजेताओं ने **प्रकाश की ऐसी चमकें** बनाई हैं जो **इलेक्ट्रॉनों की अत्यंत तीव्र गति का स्नैपशॉट** लेने के लिए काफी छोटी हैं।

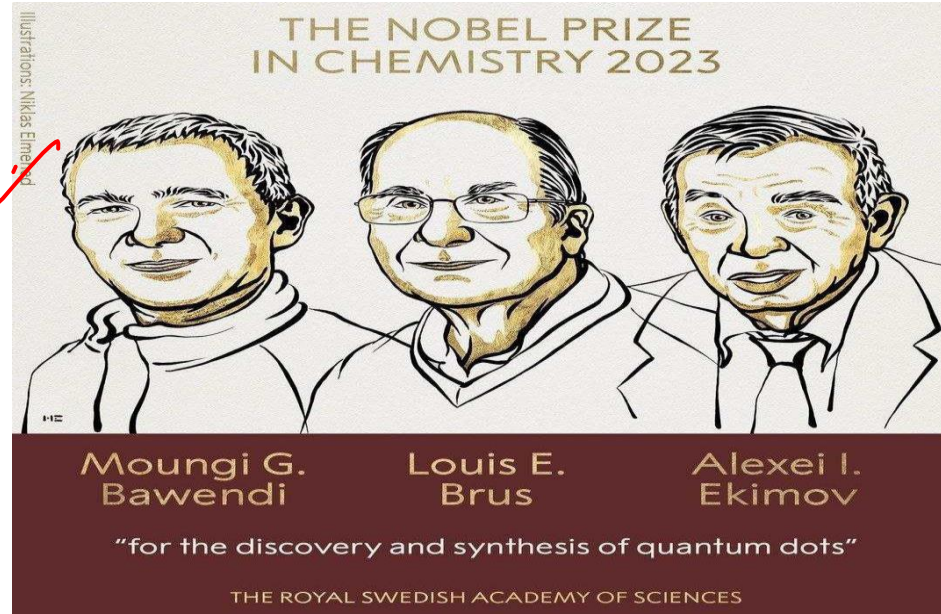


CHEMISTRY 2023

1. Moungi G. Bawendi (France), ✓

2. Louis E. Brus (USA) and ✓

3. Alexei I. Ekimov (Russia) ✓



for the discovery and synthesis of quantum dots/ ✓

क्वांटम डॉट्स की खोज और संश्लेषण के लिए



CHEMISTRY 2023

First awarded : 1901 ✓

Reward : 10 million SEK ✓

Presented By : Royal Swedish Academy of Sciences



CHEMISTRY 2023

First Nobel Prize in Chemistry was awarded in 1901 to

Jacobus Henricus van 't Hoff, ✓

"for his discovery of the laws of chemical dynamics and osmotic pressure in solutions" ✓



CHEMISTRY 2023

Indian **Venkatraman Ramakrishnan** ✓

Nobel Prize in Chemistry **2009** ✓

"for studies of the structure and function of the ribosome."



CHEMISTRY 2023

Frederick Sanger is the only **Nobel Laureate**

who has been awarded the **Nobel Prize in Chemistry** **twice**,

in 1958 and 1980.

2 times

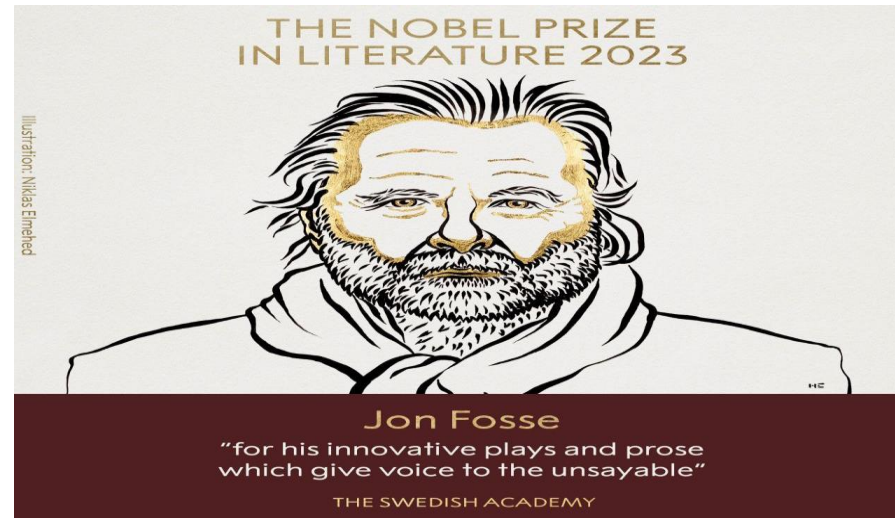
(1) 1958 (2) 1980

twice



LITERATURE 2023

Jon Fosse (Norway)



for his **“innovative plays and prose which give voice to the unsayable”**

उनके "अभिनव नाटकों और गद्य के लिए जो अकथनीय को आवाज देते हैं" ✓



LITERATURE 2023

First awarded : 1901 ✓

Reward : 10 million SEK ✓

Presented By : Swedish Academy



LITERATURE 2023

First Nobel Prize in Literature was awarded

in 1901 to

Sully Prudhomme of France.



LITERATURE 2023

First Indian **Rabindranath Tagore** ✓

won the **Nobel Prize for Literature in 1913** ✓

for his collection **"Gitanjali"**. ✓



Economic Sciences 2023

Claudia Goldin (USA)



“for having advanced understanding of women’s labour market outcomes.”

"महिलाओं के श्रम बाज़ार परिणामों की उन्नत समझ रखने के लिए।"





Economic Sciences 2023

Claudia Goldin is an **American economic historian and**

labor economist who is currently the

Henry Lee Professor of Economics at Harvard University.



Economic Sciences 2023

Goldin, a professor at Harvard University, is the

55th recipient of the prestigious award and only she

3rd woman to get the prize that was **first presented in 1969**.

3rd Woman

55th

1969-1st



Economic Sciences 2023

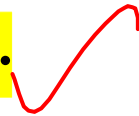
They carry a **cash award** of ...

11 million Swedish kronor (about \$1 million).



Winners also receive an

18-carat gold medal and diploma.





Economic Sciences 2023

First awarded : 1969

Reward : 10 million SEK

Presented By : Royal Swedish Academy of Sciences



Economic Sciences 2023

First Prize in **Economic Sciences** was awarded to

^① **Ragnar Frisch** and ^② **Jan Tinbergen**

in **1969**. ✓



Economic Sciences 2023

Indian Winners Noble Prize in Economics-

① Amartya Sen : 1998 ✓

② Abhijit Banerjee : 2019 ✓



Nobel Peace Prize 2023

THE NOBEL PEACE PRIZE 2023

Narges Mohammadi

Iranian human rights activist.

Illustration: Mikael Elmqvist



Narges Mohammadi

"for her fight against the oppression of women in Iran
and her fight to promote human rights and freedom for all"

THE NORWEGIAN NOBEL COMMITTEE

for her fight against the oppression of women.

महिलाओं के उत्पीड़न के खिलाफ लड़ाई के लिए।



Nobel Peace Prize 2023

She remains in jail as she becomes the

19th woman to win the Nobel peace Prize.

She is among the leading **human rights activists** in **Iran**.

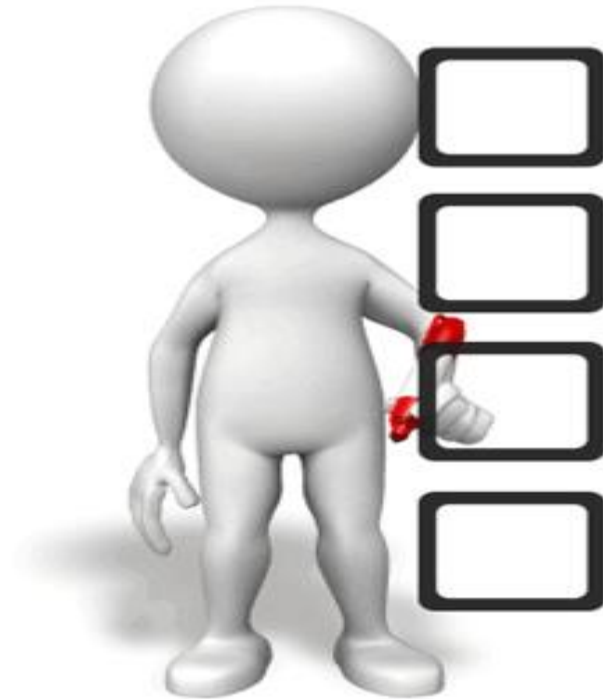
→ Tehran ✓



Nobel Peace Prize 2023

Ms Mohammadi has been **arrested 13 times**,
convicted **five times**, and
sentenced to a **total of 31 years in prison** and **154 lashes**.

MCQs



Which country is responsible for awarding all Nobel Prizes except the Peace Prize?

शांति पुरस्कार को छोड़कर सभी नोबेल पुरस्कार देने के लिए कौन सा देश जिम्मेदार है?

a) Norway

b) Sweden

c) Switzerland

d) France

Oslo

Stockholm

Who is the youngest Nobel Laureate?

सबसे कम उम्र के नोबेल पुरस्कार विजेता कौन हैं?

a) Albert Einstein

b) John Bardeen

c) Malala Yousafzai

d) Marie Curie

✓ (2014) - Peace { मलाला यूसुफजई
जुवित्वा
केबारा सधारा }

Who is the only person to have been awarded two unshared Nobel Prizes?

दो अनसाझा नोबेल पुरस्कार से सम्मानित होने वाले एकमात्र व्यक्ति कौन हैं?

a) Albert Einstein

b) Linus Pauling ✓

c) Marie Curie

d) John Bardeen

How many times has the International Committee of the Red Cross received the Nobel Peace Prize?

रेड क्रॉस की अंतर्राष्ट्रीय समिति को कितनी बार नोबेल शांति पुरस्कार मिला है?

a) 1

b) 2


c) 3

d) 4



Who is the only Indian Nobel Laureate to have won the Nobel Prize in Chemistry?

रसायन विज्ञान में नोबेल पुरस्कार जीतने वाले एकमात्र भारतीय नोबेल पुरस्कार विजेता कौन हैं?

- a) CV Raman
- b) Venkatraman Ramakrishnan 
- c) Har Gobind Khorana
- d) Subrahmanyan Chandrasekhar

② Indian

Who is the only Indian to have received the Nobel Prize in Economics?

अर्थशास्त्र में नोबेल पुरस्कार पाने वाले एकमात्र भारतीय कौन हैं?

- a) CV Raman
- b) Subrahmanyan Chandrasekhar
- c) Amartya Sen ✓
- d) Venkatraman Ramakrishnan

What is the prize money for Nobel Prizes?

नोबेल पुरस्कार की पुरस्कार राशि क्या है?

a) \$1 million USD

b) €1 million EUR

c) 11 million SEK ✓

d) 5 million JPY

Who received the Nobel Prize in Physics in 2023?

2023 में भौतिकी में नोबेल पुरस्कार किसे मिला?

- a) Katalin Karikó and Drew Weissman**
- b) Pierre Agostini, Anne L'Huillier, and Ferenc Krausz ✓**
- c) Mounqi G. Bawendi, Alexei I. Ekimov, and Louis E. Brus**
- d) Jon Olav Fosse**

Who received the Nobel Prize in Physiology or Medicine in 2023 for their work in mRNA vaccines?

एमआरएनए टीकों में उनके काम के लिए 2023 में फिजियोलॉजी या मेडिसिन में नोबेल पुरस्कार किसे मिला?

- a) **Drew Weissman and Katalin Karikó** ✓
- b) **Pierre Agostini, Ferenc Krausz, and Anne L'Huillier**
- c) **Moungi G. Bawendi, Louis E. Brus, and Alexei I. Ekimov**
- d) **Jon Fosse**

What is the Nobel Prize in Physics 2023 awarded for?

भौतिकी में नोबेल पुरस्कार 2023 किसके लिए प्रदान किया जाता है?

a) Advancements in quantum computing

b) Experimental methods generating attosecond pulses of light ✓

c) Contributions to string theory

d) Discoveries in dark matter

Six

Who received the Nobel Prize in Chemistry in 2023 for the discovery and synthesis of quantum dots?

क्वांटम डॉट्स की खोज और संश्लेषण के लिए 2023 में रसायन विज्ञान में नोबेल पुरस्कार किसे मिला?

- a) Drew Weissman and Katalin Karikó
- b) Pierre Agostini, Ferenc Krausz, and Anne L'Huillier
- c) Mounqi G. Bawendi, Louis E. Brus, and Alexei I. Ekimov ✓
- d) Jon Fosse

Which Nobel Prize laureate from 2023 is recognized for innovative plays and prose giving voice to the unsayable?

2023 के किस नोबेल पुरस्कार विजेता को नवोन्मेषी नाटकों और अनकही को आवाज देने वाले गद्य के लिए पहचाना जाता है?

a) Drew Weissman

b) Jon Fosse ✓

c) Narges Mohammadi

d) Claudia Goldin

Who received the Nobel Peace Prize in 2023 for her fight against the oppression of women in Iran and her advocacy for human rights and freedom?

ईरान में महिलाओं के उत्पीड़न के खिलाफ लड़ाई और मानवाधिकारों और स्वतंत्रता की वकालत के लिए 2023 में नोबेल शांति पुरस्कार किसे मिला?

- a) Drew Weissman and Katalin Karikó
- b) Pierre Agostini, Ferenc Krausz, and Anne L'Huillier
- c) Narges Mohammadi ✓ *Iran*
- d) Claudia Goldin

Who is awarded the Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel (Economics Nobel) in 2023?

2023 में अल्फ्रेड नोबेल (अर्थशास्त्र नोबेल) की स्मृति में आर्थिक विज्ञान में स्वेरिजेस रिक्सबैंक पुरस्कार से किसे सम्मानित किया गया है?

- a) Drew Weissman
- b) Claudia Goldin ✓
- c) Mouni G. Bawendi
- d) Jon Fosse



THANK
— YOU

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