

# Be Happy, Share & Help Each Other!!!

Shampoo was invented in India,  
derived from the Sanskrit word  
*champu*, which means to massage



# THE HINDU

## ANALYSIS

हिंदी में



THE HINDU

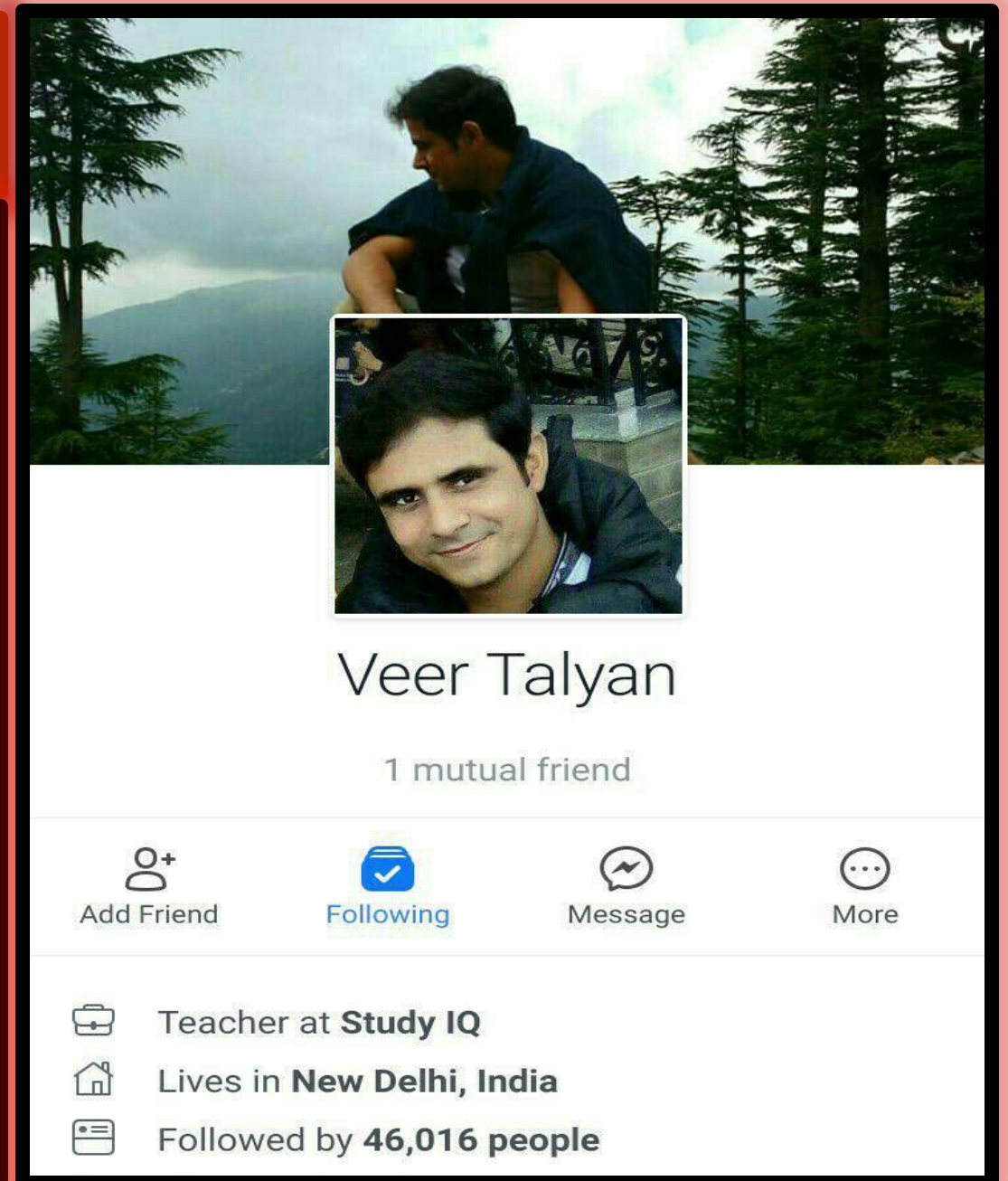
25th March  
2018



STUDY IQ

# Lecture

- 1- Quote
- 2- Editorials
- 3- Vocabulary
- 4- Subjective Q
- 5- Current Affair Q
- 6- News Analysis
- 7- Capital & Currency
- 8- Prelims Focus Facts
- 9- Revision(Base Knowledge)
- 10- Maps Practice-(Q-Revision)





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# Facing harassment, 17-year-old hangs self

- A 17-year-old girl, student of Class XII at a government school, allegedly committed suicide at her one-room rented accommodation in Rohini
- Hum chup rahe kyunki ladki ka maamla tha, badnaami hoti.
- Kaash police ko usi din bata diya hota







- Presidential election, due in May 2018
- Fragile peace accord- Ended longest civil wars
- Accord between the Colombian security forces and the Revolutionary Armed Forces of Colombia (FARC) had won President Juan Manuel Santos the Nobel Peace Prize-2016
- In all, the anti-accord parties have 50 seats in a House of 102- Senate Election
- Ruling Social Party of National Unity won just 14 seats
- Revolutionary Armed Forces of Colombia (FARC)- finished with less than 1% of the vote, but is assured representation in parliament thanks to the accord
- The next couple of months will be crucial for the pro-accord forces

# India

## States and Union Territories

○ State Capital

● Union Territory Capital





# Lalu gets 14 years in 4th fodder case

Rashtriya Janata Dal chief Lalu Prasad was on Saturday sentenced to 14 years in prison. Seven years under the Indian Penal Code (IPC) and seven years under the Prevention of Corruption Act in the fourth fodder scam case. Also imposed a fine of ₹60 lakh.

## Troubles pile up

RJD chief Lalu Prasad has been convicted in four of the six cases related to the fodder scam. A look at the verdicts:

**September 30, 2013**

Jail term: **5 years**

Total convictions: **45**  
(including former Bihar CM Jagannath Mishra)

Total acquitted: **0**

**December 23, 2017**

Jail term: **3.5 years**

Total convictions: **16**

Total acquitted: **6**  
(including Jagannath Mishra)

**January 24, 2018**

Jail term: **5 years**

Total convictions: **50**  
(including Jagannath Mishra)

Total acquitted: **6**

**March 24, 2018**

Jail term: **14 years**

Total convictions: **19**

Total acquitted: **12**  
(including Jagannath Mishra)





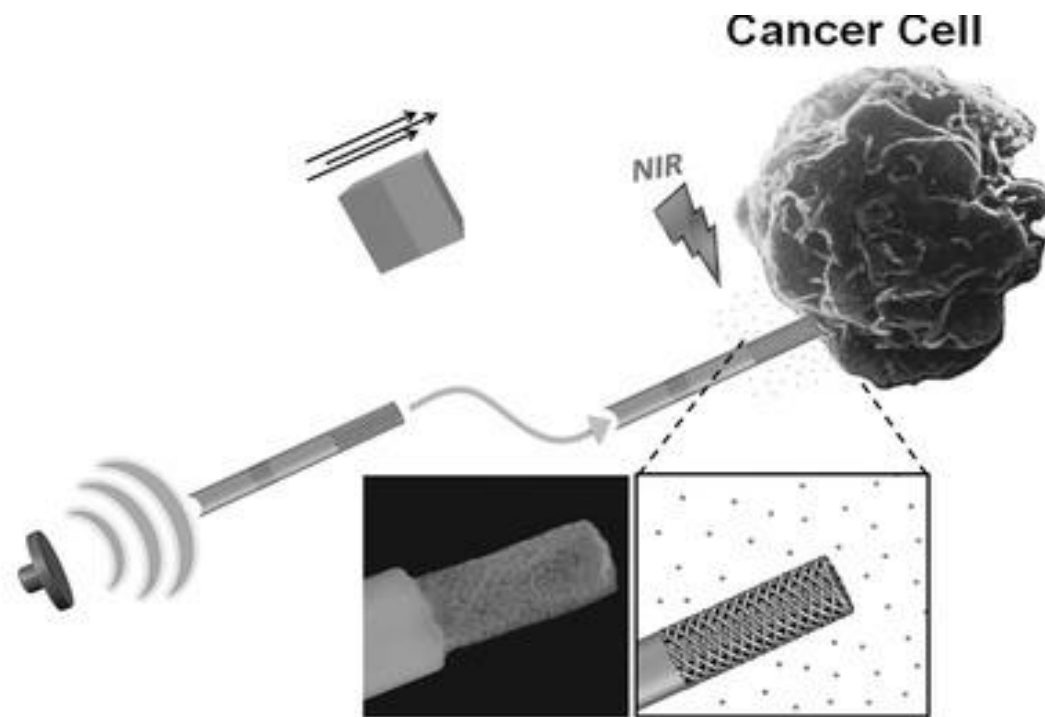
# The nowhere men of Bengal

- **Cheated by agents, workers ill-treated abroad have little to return to**
- In just two weeks, Sukhen Das, 26, has lost 10 kilos.
- He blames it on his luck and says, “I will never again go out of the country to work.”
- Mr. Das is back in Bengal after having spent almost a month at a detention centre in Zabrat, a municipal city of Azerbaijan

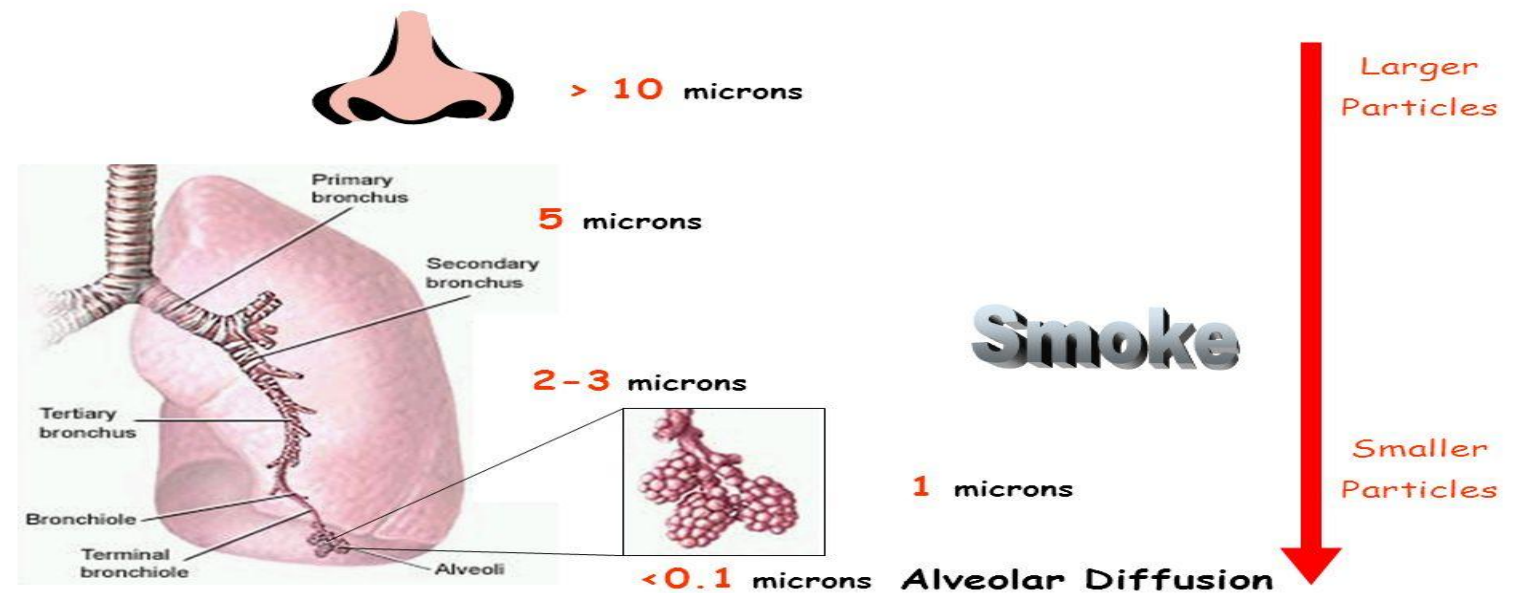


# Nanomotors for targeted cancer therapy

- Researchers have developed a new type of zinc ferrite coated magnetic nanomotors
- That are highly stable and can generate localised heating to kill cancerous cells.
- Just 3 microns Measuring just about 3 microns in size, the magnetic nanomotors can be manoeuvred in different biological environments like blood, tissue etc



## Particulate & the Respiratory Tract







# WHAT CAUSES CORAL BLEACHING?



## Change in ocean temperature

Increased ocean temperature caused by climate change is the leading cause of coral bleaching.



## Runoff and pollution

Storm generated precipitation can rapidly dilute ocean water and runoff can carry pollutants — these can bleach near-shore corals.



## Overexposure to sunlight

When temperatures are high, high solar irradiance contributes to bleaching in shallow-water corals.



## Extreme low tides

Exposure to the air during extreme low tides can cause bleaching in shallow corals.



# Coral Reefs

- Climate change–induced ocean warming can cause coral bleaching, which stresses coral patches and makes them prone to death.
- Bleaching is not new in Indian reef systems; the bleaching event of 2010 killed patches of corals in several reefs off the Lakshadweep Islands
- Butterflyfish change their behaviour to adapt to coral death caused by climate change



**Coping with change:** Reefs in Lakshadweep of which the colorful melon butterflyfish feed exclusively on corals. ■ ROHAN ARTHUR/ NCF



## HEALTHY CORAL

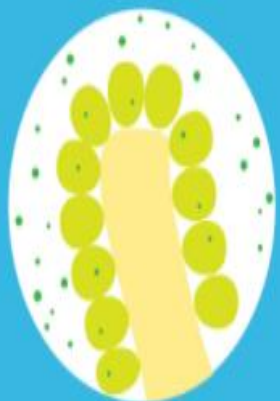
1 Coral and algae depend on each other to survive.



Corals have a symbiotic relationship with microscopic algae called zooxanthellae that live in their tissues. These algae are the coral's primary food source and give them their color.

## STRESSED CORAL

2 If stressed, algae leaves the coral.



When the symbiotic relationship becomes stressed due to increased ocean temperature or pollution, the algae leave the coral's tissue.

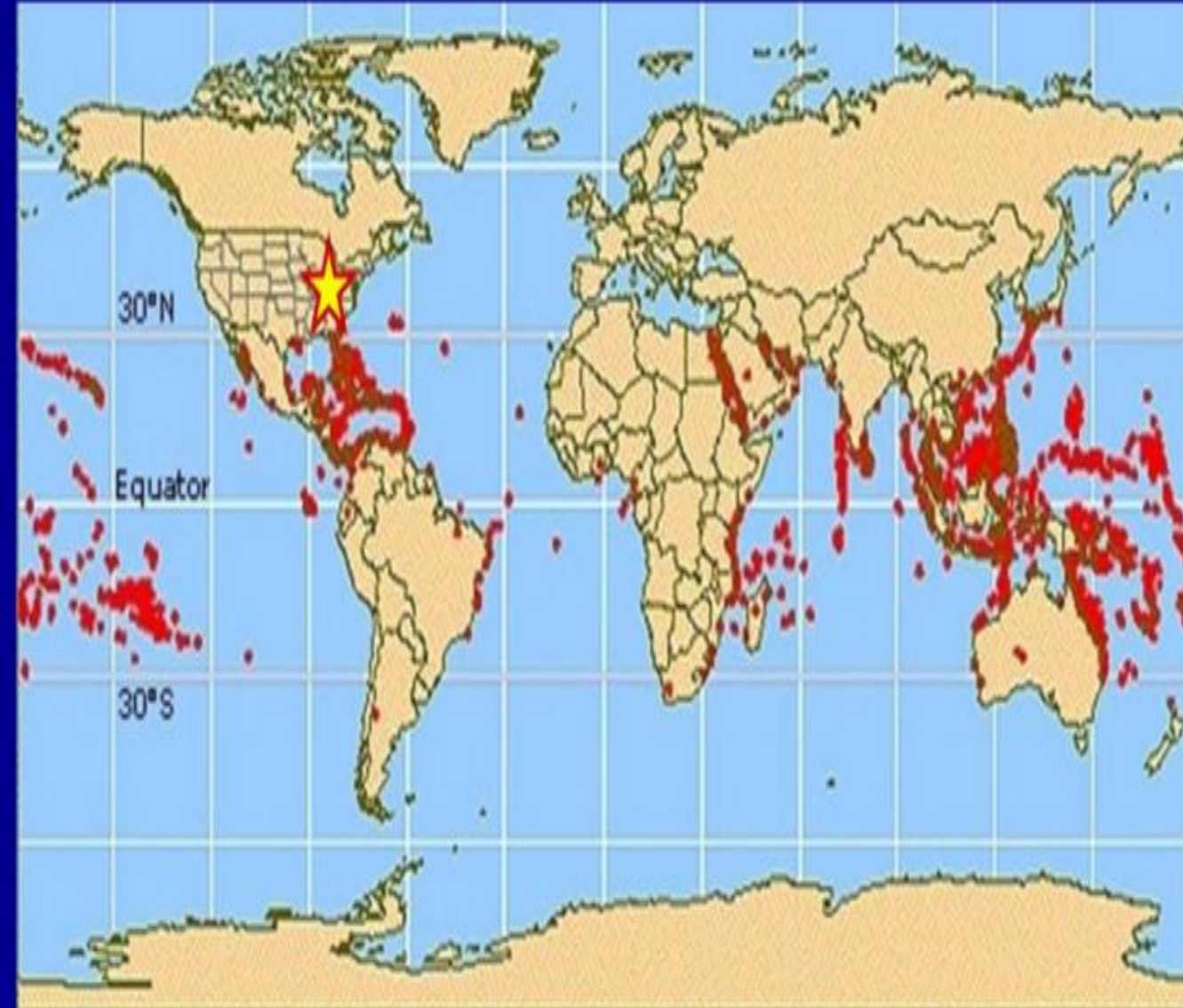
## BLEACHED CORAL

3 Coral is left bleached and vulnerable.



Without the algae, the coral loses its major source of food, turns white or very pale, and is more susceptible to disease.

# Coral reefs around the world



# New antibiotic

- “Game-changing” new antibiotic which is capable of killing superbugs has been successfully synthesised and used to treat an infection.
- It could lead to a first new class of antibiotic drug in 30 years.
- The breakthrough is another major step forward in the journey to develop a commercially viable drug version
- Natural antibiotic discovered by U.S. scientists in soil samples in 2015



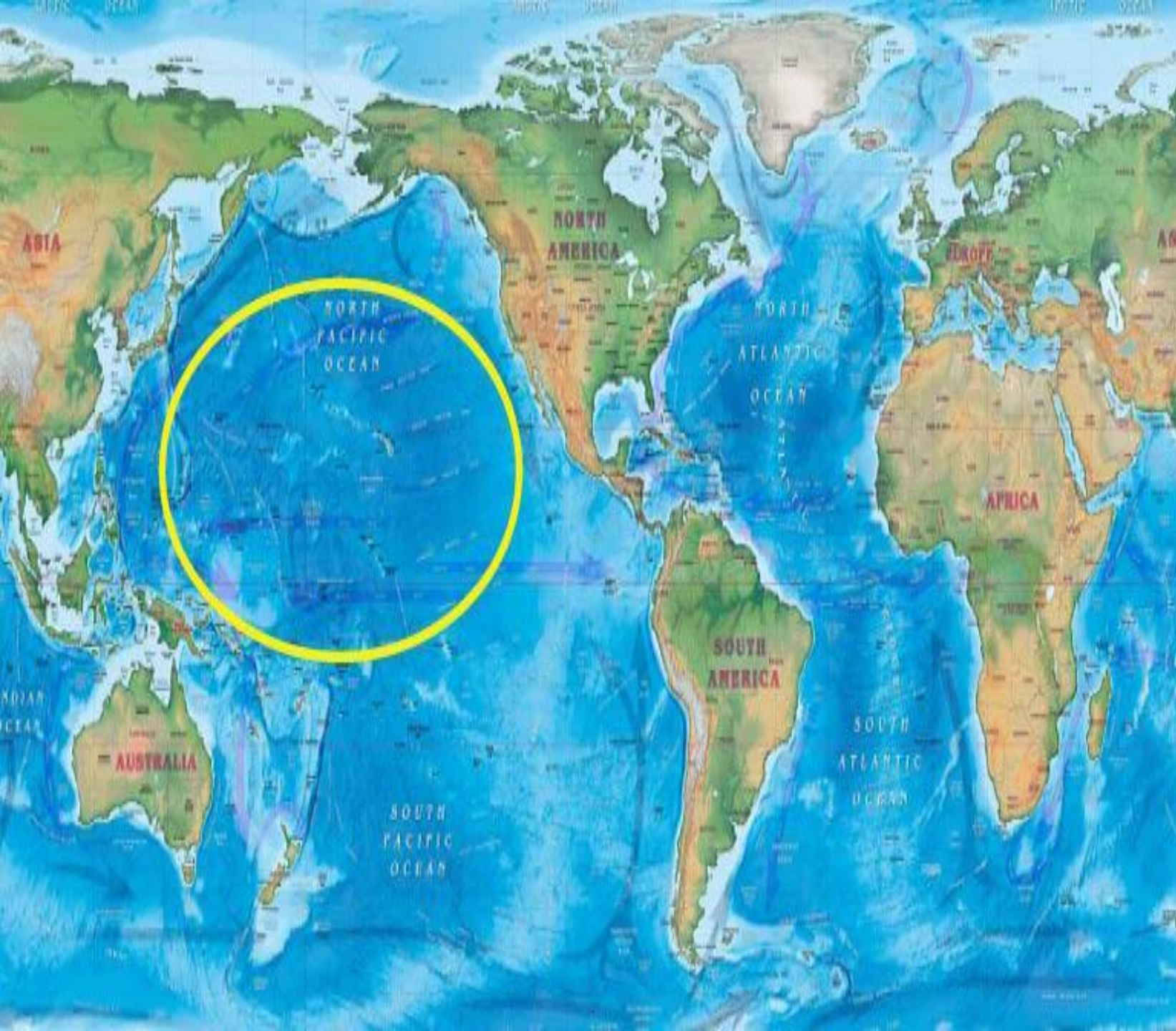
GETTY IMAGES/ISTOCKPHOTO



# What is the Great Pacific Garbage Patch?

- It is the world's largest collection of floating trash and perhaps the most famous. An estimated 1.8 trillion pieces of plastic weighing 80,000 metric tons are currently afloat in this area which is located halfway between Hawaii and California and is the largest accumulation zone for ocean plastics on earth.
- It is now said to be three times the size of continental France.
- The patch was discovered in 1997 by Charles Moore
- Scientists estimate that 20% of the debris is from the 2011 Japanese tsunami







WHO

**Alexander  
Nix,**  
data  
harvester



WHAT

The lowdown  
on **faulty**  
**plane engines**



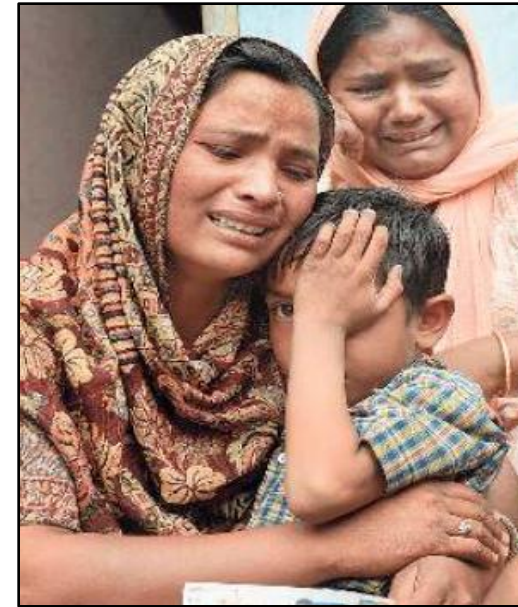
WHY

is **euthanasia**  
verdict tough  
to implement?



WHEN

**20**  
March 2018



WHERE

In **Goa**, after  
the ban on  
mining







## ➤ Asian billiards championship



Pankaj Advani with his spoils. ■ SPECIAL ARRANGEMENT



# Sindhu to be India's flag - bearer

- Shuttler P.V. Sindhu has been named flag-bearer of the Indian contingent for the opening ceremony of the Commonwealth Games in next month
- The opening ceremony will be held on April 4.



P.V. Sindhu... an honour.



# Assam's rare captive-bred vultures face a drug problem

- last of the nature's scavengers in Assam, a suitable habitat for vultures, are battling toxic chemicals in livestock carcasses.
- And the 'meal of death' that is killing them is also delaying freedom for vultures being reared in captivity in the State.
- The Vulture Conservation Breeding Centre (VCBC) at Rani, about 30 km west of Guwahati, is one of four in India that the Bombay Natural History Society (BNHS) set up more than a decade ago in association with State Forest Departments
- Diclofenac
- Rampant use of pesticides by farmers and more than 70,000 tea gardens



Slender-billed vulture. ▪  
SPECIAL ARRANGEMENT

# Saora paintings travel from tribal

- Traditional art of an indigenous community now offers livelihood to its talented artists
- Saora paintings, lately sought by art lovers for living rooms around the world, have their origin in the mud walls of aboriginal Lanjia Saora tribal homes in Odisha.
- Selling fast at tribal art fairs and handicraft outlets, painting lots are also exported regularly to Germany, France and U.S.



**No borders:** Tribal women showcasing their products at a crafts fair in Bhubaneswar. A Saora painting is seen in the background. The art was born in the remote ranges of southern Odisha. ■ BISWARANJAN ROUT



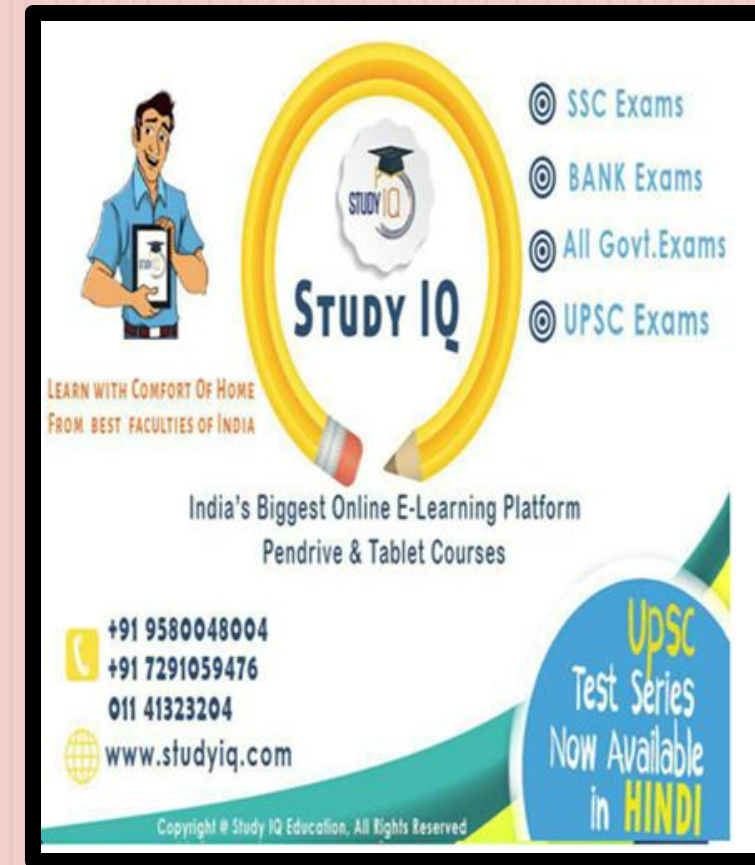
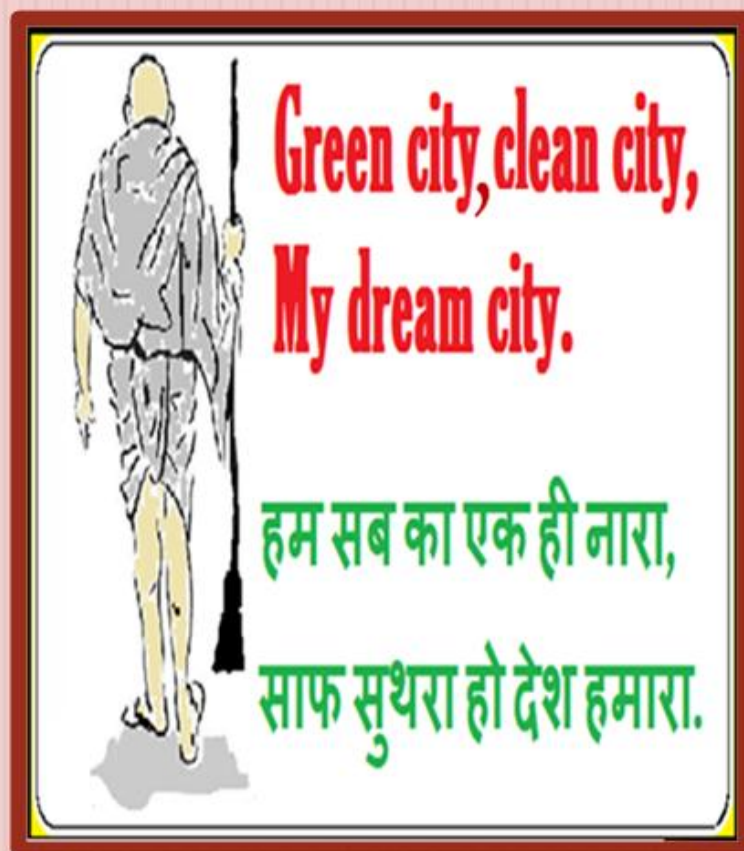
# Earth Hour: Sydney goes dark

- This year's theme is the impact of warming on biodiversity and wildlife
- Earth Hour, which started in Australia in 2007, is set to be observed by millions of supporters in 187 countries, who will turn off their lights at 8.30 p.m
- Organisers describe as the world's "largest grassroots movement for climate change"



**Standing in solidarity:** The Sydney Harbour Bridge and Opera House just before and after being plunged into darkness for the Earth Hour environmental campaign on Saturday. Landmarks all over the world participated in the effort. ■AFP

 "A candle loses nothing by lighting another candle" 



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