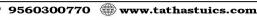


DAILY CURRENT AFFAIRS

15th September 2025







15th September 2025

Topics Covered

- 1. PM alleges plot to change mix of border population (P-01)
- 2. Centre reopens PLI Scheme for white goods (P-01)
- 3. Highest ratio of females married under 18 from W.B. (P-01)
- 4. Pendency continue to plague SC as case backlog hits all time high (P-02)
- 5. UNESCO Natural Heritage Site (P 06)
- 6. Silver of hope (P 08)
- 7. Cutting off online gaming with the scissors of prohibition (P 08)
- 8. What do SC guidelines say on DNA? (P-10)
- 9. How serious is the global plastic pollution crisis? (P-12)
- 10. Amit Khare Secretary to VP (P 13)
- 11. PM inaugurates India's first bamboo based ethanol plant (P-14)
- 12. Australia develops vaccine to sava koalas (P-20)
- 13. Mosquitoes suck but should we simply get rid of them? (P-20)

PM alleges plot to change mix of border population

In Assam, he says the conspiracy is a grave threat to national security, necessitating a demography mission across the country; he accuses the Congress of 'shielding and protecting infiltrators'

The Hindu Bureau **GUWAHATI**

he Union government is preparing to launch a mission to thwart a conspiracy to alter the composition of the population in the border areas of the country with the help of "infiltrators", Prime Minister Narendra Modi said in Assam on Sunday.

Addressing a meeting at Mangaldoi in Darrang district, he said those bent upon sheltering infiltrators had been waging such a conspiracy in the areas Bangladesh. bordering Mangaldoi is about 70 km northeast of Guwahati.

"This is a grave threat to national security, necessitating a demography mission across the country," Mr. Modi said, underscor-



Prime Minister Narendra Modi and Assam Chief Minister Himanta Biswa Sarma in Darrang, Assam on Sunday. RITU RAJ KONWAR

ing the BJP's "goal" of ejecting infiltrators to save Indian citizens from them.

"I want to tell the [proinfiltrator] politicians that I have accepted their challenge," he said, accusing the Congress of shielding

and protecting these infiltrators. "Write it down. I will see how you use your strength to protect the infiltrators and how we put our lives on the line to remove them. Let there be a contest. Those protecting

the infiltrators will suffer, and mark my words, the country will not pardon them," Mr. Modi said.

He said the Congress had supported infiltration when it was in power. "The Congress wants the infiltrators to stay in Bharat permanently and decide its future," he said.

promoted "Congress the encroachment of the land of our farmers, tribal people, and places of worship. BJP is changing that situation by clearing encroachment. Under Chief Minister Himanta Biswa Sarma, lakhs of bighas (one bigha is about 0.13 hectare) of land, grabbed by infiltrators, have been taken back. These include Darrang district's Gorukhuti," he said.

CONTINUED ON

» PAGE 12



9560300770 www.tathastuics.com





Centre reopens PLI scheme for white goods till Oct. 14, cites market growth

The Hindu Bureau

NEW DELHI

The Union government has reopened the application window for the production-linked incentive (PLI) scheme for white goods, it said on Sunday, citing market growth and growing industry confidence following the success of earlier rounds of the scheme.

"The application window for the PLI Scheme for white goods (Air Conditioners and LED lights) is being reopened based on the appetite of the industry to invest more under the scheme, which is an outcome of the growing market and confidence generated due to manufacturing of key components of ACs and LED lights in India un-

Switching on

The Union government is reopening the application window for the Production-Linked Incentive scheme for white goods

- Application window: Sept. 15 to Oct. 14
- Scheme goal: To boost manufacturing of AC and LED light components, including those not currently produced in sufficient quantities in India
- Who can apply: Both new applicants and existing beneficiaries who wish to invest more



Current status: 83 applicants with a committed investment of ₹10,406 crore have already been selected

der the PLI for white goods scheme," the Ministry of Commerce and Industry said on Sunday.

More investments

The application window for the scheme will remain open between September 15 and October 14.

The release further said that in order to avoid any discrimination, both new applicants as well as existing beneficiaries of the scheme who want to invest more would be eligible to apply, subject to the guidelines.

So far, the Ministry said, 83 applicants with committed investment of ₹10,406 crore have been selected as beneficiaries under the scheme.

"The investments will lead to manufacturing of components of Air Conditioners and LED lights across the complete value chain including components which are not manufactured in India presently with sufficient quantity," it said.

The Union Cabinet had given its approval for the PLI scheme for white goods for the manufacture of components and sub-assemblies of ACs and LED lights in April 2021.

Highest ratio of females married under 18 from West Bengal: SRS data

Shiv Sahay Singh KOLKATA

West Bengal has the highest proportion of females getting married before the age of 18, according to the latest Sample Registration System (SRS) statistical report for 2023, published earlier this month.

The report, compiled by the Office of the Registrar General & Census Commissioner, India, recorded that 6.3% of females were married before the age of 18.

The report says that among the larger States and UTs, after West Bengal, Jharkhand had the highest proportion of females married before the age of 18 (4.6%), while Kerala had the lowest rate (0.1%). Himachal Pradesh and Haryana reported rates of 0.4% and 0.6% respectively.

The report pegged the national rate at 2.1%.

In rural areas also West Bengal recorded the highest proportion of females (5.8%) married before the age of 18, followed by Jharkhand (5.2%).

In urban areas, West Bengal again reported the highest proportion (7.6%), followed by Jammu and Kashmir (3.5%) and Odisha (2.8%).

Notably, the SRS had placed West Bengal (6.5%) at the top of a similar list in a report published in May this year.



9560300770



www.tathastuics.com





Pendency continues to plague SC as case backlog hits all-time high

Krishnadas Rajagopal NEW DELHI

The pendency of cases in the Supreme Court has reached an all-time high of 88,417, even when the court is currently functioning with its full sanctioned judicial strength of 34

The court has 69,553 civil cases and 18,864 criminal matters pending currently, the National Judicial Data Grid shows. The filing of fresh cases in August surpassed the disposal rate. A total of 7,080 cases were instituted in the court in August. The court has managed a disposal rate of 5.667 cases in the month. that is, 80.04% of the cases filed. The escalation in pendency is despite Chief Justice B.R. Gavai's decision to have more Benches



working through the long summer recess of the court in a bid to decrease the case log.

The CJI had renamed the summer holidays from May 23 to July "partial working days". The CJI and

five senior-most judges of the court had presided over the first batch of Benches hearing cases during the summer recess. A total of 21 Benches sat in batches throughout the "partial working days", hearing and disposing of cases, till the court reopened in July.

In 2025, 52,630 cases were filed while 46,309, nearly 88%, were disposed of during a year which has already seen two Chief Justices of India with a third, Justice Surva Kant, expected to be sworn in in late November. The corresponding period in 2024 had seen a similar climb in pendency to a then peak of over 82,000 cases. The increase in pendency persists despite successive Chief Justices, from Justice D.Y. Chandrachud to Justice Gavai, taking care to

maintain judicial vacancy in the top court to a minimum, if not zero.

Steady rise

The unceasing increase in backlog has become a perennial phenomenon since the pandemic years, and especially since 2023. The pendency had continued to rise steadily despite Justice Chandrachud, when he was CJI, acting swiftly to fill vacancies in the top court. His successors to the top judge post, Justices Sanjiv Khanna and Justice Gavai, have spearheaded their own collegiums to promptly recommend names of judges to the government.

Past Chief Justices and even collegium resolutions have raised the issue of "huge workload"

A November 2023 colle-

gium resolution had mentioned the bare truth that the court cannot afford even one vacancy, taking into account the "ever mounting pendency of cases". "The workload of judges has increased considerably. Bearing in mind the above, it has become necessary to ensure that the court has full working judge-strength leaving no vacancy at any point of time," the collegium had underscored.

The recent months have seen the government approve collegium recommendations for appointment to the Supreme Court without delay, often within 48 hours. Yet, the backlog continues to rise steadily.

The escalation is despite decision to have more Benches working during the SC's summer recess

latural wonder



The Erra Matti Dibbalu (red sand dunes) beside the Visakhapatnam-Bheemunipatnam Beach Road in Andhra Pradesh. The unique geological formations were added to the Tentative List of UNESCO Natural Heritage Sites recently. V. RAJU







9560300770 www.tathastuics.com



support@tathastuics.com

HEAD OFFICE: 53/1, UPPER GROUND FLOOR, BADA BAZAR ROAD, OLD RAJINDER NAGAR, NEW DELHI-110060



Sliver of hope

An inclusive vision of conservation can protect more habitats

he recent survey of saltwater crocodiles in the Sundarban Biosphere Reserve is a notable advance for conservation in India. The census indicates a rise in overall numbers and demographic diversity, implying an ecological success that is also a marker of how wildlife law and conservation policy are gradually moving beyond their fixation on a handful of charismatic species, including the tiger and the elephant. In the early years of the Wildlife (Protection) Act 1972, protection was disproportionately directed at megafauna whose appeal could mobilise public opinion. Saltwater crocodiles do not command the same affection, so their recovery demonstrates how the statutory framework, when coupled with targeted interventions such as the Bhagabatpur Crocodile Project, can yield durable gains even for less prominent species. In many countries, reptiles continue to receive weaker safeguards, often subordinated to fisheries or land-use concerns. The increase in Sundarban crocodiles suggests that India's model of combining blanket legal protection with sitespecific captive breeding and release programmes has been effective. But in absolute terms, the law still has gaps: it does not adequately anticipate emerging threats linked to climate change, rising salinity or habitat fragmentation. Protection has also been reactive.

As hypercarnivorous apex predators, crocodiles regulate prey populations and remove carcasses from water channels, contributing to the health of mangroves. Thus, their presence signals that creeks and rivers still sustain a functioning food web despite immense pressures from hu-man settlement, cyclones and sea-level rise. Better juvenile survival also indicates that the breeding habitat retains sufficient quality. This is an important ecological marker for the delta, where rising salinity and erosion are narrowing the niches available to wildlife. If the crocodile popu-lation can establish a stable age structure, it may bolster the resilience of the Sundarbans' mangrove networks. The species' trajectory also highlights what can be done for other neglected ones. Current Schedules under the Act should be accompanied by proactive, well-funded recovery plans, and public communication strategies need to be recalibrated. The crocodiles did not gain numbers because they became beloved but because conservation agencies invested in their protection. A similar shift in focus can support other species. Climate change integration is also essential. Saltwater crocodiles tolerate wide sa linity ranges but many amphibians or freshwater reptiles do not. Anticipatory measures including identifying climate refugia and enabling assisted breeding are thus required. The recovery illustrates that non-charismatic species can benefit from law and policy with sustained attention. For India, the lesson is that a richer, more inclusive, vision of conservation is possible and necessary.

Previous Year Questions (PYQs)

- Q. Which one of the following is the national aquatic animal of India? [2015]
- (a) Saltwater crocodile
- (b) Olive ridley turtle
- (c) Gangetic dolphin
- (d) Gharial







www.tathastuics.com



Cutting off online gaming with the scissors of prohibition

n a manner akin to a stealth operation, the Government of India pushed the Promotion and Regulation of Online Gaming Bill 2025 in Parliament as the monsoon session drew to a close. This Bill outlawed online real money games while aiming to promote the growth of e-sports and online social games. The Bill was rushed through both Houses without any debate and was not preceded by any consultations with the

affected industry or with States, which have jurisdiction over key aspects of the topic. Online gaming was a sunrise sector in India and had seen significant foreign investment. This sudden ban will have repercussions for foreign direct investment across domains. Why would global investors trust India when rules flip overnight, and when the government kills one of the few digital industries where India could lead

The fallout

Online gaming sits at the intersection of technology, payments, and digital content – the very sectors India claims to champion under the banner of Digital India. Choking this industry means shutting the doors on thousands of skilled jobs, slowing down innovation, and discouraging entrepreneurship at a time when the economy desperately needs them all.

When job creation in India is pitifully slow and at a time when the world is investing in gaming as the next digital frontier, this Bill has directly resulted in tremendous job losses. The gaming sector was on track to employ I.5 lakh people by 2025 – across development, design, programming, customer support and analytics. These are precisely the kinds of cutting-edge, quality tech jobs India needs in its digital economy. Some of these will survive the ban,

Services Tax (GST) revenue for the Union



M.V. Rajeev

is a former Member of Parliament (Congress)

The Promotion

and Regulation of Online Gaming Bill

2025 will only

prospects of a

government and States. By closing this source of revenue, the Centre has unilaterally cut off a crucial revenue source for States also, while making a significant sacrifice. Why?

The government's central arguments in support of the ban are that online real money games have resulted in financial ruin for players and resulted in something akin to drug addiction. That it is clearly a societal harm that needed to be addressed urgently. However, is the ban likely to provide a cure? Or, would careful regulation, as being developed in States such as Tamil Nadu, provide a more balanced resolution? Were there other, possibly better, ways to curb the negative side-effects of online real money games?

Glossing over responsible gaming
Online gaming companies were working on
technological initiatives to identify and prevent
problematic gaming. Responsible play tools
closed wing and as preparally high. These already exist and are proven globally. These include age-gating to restrict access to minors, self-exclusion mechanisms, deposit and time limits, bot-detection systems, Know Your Customer (KYC) and Anti-Money Laundering (AML) checks, and ethical advertising standards. Instead of strengthening such safeguards, the ban abruptly destroys them, leaving players more vulnerable than before.

If online gaming platforms that complied with taxation and regulation are forced out, compulsive players will inevitably find a way to shift to illegal apps hosted by offshore or underground networks. Such platforms operate beyond the reach of Indian authorities, pay no taxes, and expose consumers to fraud and unsafe practices. The government will not only lose revenue but also inadvertently encourage the very illegal gambling rackets that it seeks to curb. This ban would just end accountability. The real issue here is regulatory capacity. Instead of building strong oversight frameworks which

balance public interest with private profit, India

The ban also violates constitutional provisions, judicial doctrines and strikes a blow to federalism. Article 19(1)g) of the Constitution grants every person the fundamental right to practise any profession or business. The ban attacks the very foundations of this right. With one piece of legislation, a thriving industry has been dealt a body blow. If the concern was about the promotion of gambling, the Union government should have consulted with States as regulation of betting and gambling are State subjects. The new law has already been challenged in courts as it raises several questions of constitutional propriety.

A grey zone concerning online gaming has been whether it constitutes a 'game of skill' or a 'game of chance'. Judicial decisions have consistently upheld the legitimacy of games of skill. States are allowed to regulate or ban games of chance or gambling. Good regulation would clear the doubts around this subject.

A middle ground exists

Ideally, legislation should be developed which protects players, prevents addiction and exploitation, and addresses the priorities of various stakeholders and States. The choice is not between prohibition and a free-for-all. There is a middle ground: a clear licensing framework, strict compliance standards, and a taxation regime that is fair but predictable.

Banning online real money gaming, on the other hand, only ensures that both revenues and opportunities vanish into the underground economy, while leaving players unprotected and vulnerable. Time will tell whether, through this ban, India has protected its citizens or failed

What do SC guidelines say on DNA?

Why did the Supreme Court intervene in DNA samples in criminal cases? What lapses did the court uncover? What has the court said about DNA reliability in past rulings? What do the new guidelines mandate? Is DNA alone enough to convict?

EXPLAINER

R.K.Vij

The story so far:

he Supreme Court, in Kattavellai @ Devakar v. State of Tamil Nadu, recently issued guidelines to maintain the guidelines to maintain the integrity of deoxyribonucleic acid (DNA) samples in criminal cases. The court directed the Director Generals of Police of all States to prepare sample forms of the Chain of Custody Register and all other processors documentation as directed. necessary documentation as directed and to ensure their dispatch to all districts with instructions

What was the need to issue such

The court, in the above case involving rape, murder, and robbery with an attempt to cause death, found significant unexplained delays in sending samples of the vaginal swabs to the Forensic Science Laboratory (FSL) for DNA analysis Moreover, the chain of custody of the

guidelines have been issued by various bodies, there is neither uniformity nor a bodies, there is neither uniformity nor a common procedure required to be followed by all investigating authorities. Even though 'Police' and 'Public Order' are subjects mentioned in the State List of the Seventh Schedule of the Constitution, the Supreme Court deemed it necessary to issue these guidelines to have uniformity of procedure. uniformity of procedure.

What are the guidelines?

The Supreme Court issued four guidelines for cases where DNA evidence is involved. The first guideline states that the collection of DNA samples once made



DNA is a molecule that encodes the genetic information in all living organisms. GETTY IMAGE:

after due care and swift and appropriate packaging, including FIR number and date, the sections and statutes involved, details of the investigating officer, the police station, and the requisite serial number, shall be duly documented. The document recording the collection must include the signatures and designations of the medical professional present, the investigating officer, and independent

witnesses.
Second, the investigating officer shall be responsible for the transportation of the DNA evidence (sample) to the concerned police station or hospital, as the case may be. He must also ensure that the case may be. The must also ensure that the samples reach the concerned FSL within 48 hours of collection. In the event of any delay, the reasons must be recorded, and all efforts should be made

to preserve the samples. Third, while samples are stored pending trial or appeal, no package shall be opened, altered, or resealed without ess authorisation from the trial court

The fourth guideline states that from the time of collection to the logical end, i.e., conviction or acquittal of the

accused, a Chain of Custody Register must be maintained. This register must be appended to the trial court record. The estigating officer is responsible for explaining any lapses in compliance.

What has the Supreme Court said so

The DNA profiles have a tremendous impact on criminal investigations. In *Anil v. State of Maharashtra* (2014), the Supreme Court observed that a DNA profile is valid and reliable, but this depends on quality control and procedure in the laboratory. However, in the Devakar case, the court said that the Devakar case, the court said that quality control and procedure outside the laboratory are equally important to ensure that the best results can be derived from collected samples.

In a three-judge Bench decision in Manni and Ore v. States of Medius Deadelsh

Manoj and Ors. v. State of Madhya Prade (2022), the Supreme Court rejected a DNA report on the ground that recovery was made 'from an open area and the likelihood of its contamination cannot be ruled out'. It was also observed that the blood stains found on the articles were

disintegrated, and the quantity was

disintegrated, and the quantity was insufficient to run any classification test. In another case, Rahul v. State of Delhi, Ministry of Home Affairs (2022), DNA evidence was 'rejected because it remained in the police Malkhana for two months and during such time, the possibility of tampering could not be ruled out'. It was said that 'the collection ruled out. It was said that 'the collection and sealing of the samples sent for examination were not free from suspicion'. The court also said the trial court and the High Court did not examine the underlying basis of the findings in the DNA reports or whether the techniques used had been paighby amplied by the used had been reliably applied by the

concerned expert.
Therefore, while the investigating Therefore, white the investigating agency needs to ensure that samples are collected properly, without any possibility of contamination, and sent to the FSL without any (unexplained) delay, the expert must also ensure proper quality control and procedure in the FSL.

How important is the DNA evidence in criminal cases?

DNA is a molecule that encodes the DNA is a molecule that encodes the genetic information in all living organisms. It can be obtained from biological materials, such as bone, blood, semen, saliva, hair, or skin. Generally, when the DNA profile of a sample found at a crime scene matches the DNA profile of a suspect, it can be concluded tha both samples have the same biological origin. However, it is not substantive

origin. However, it is not substantive evidence in criminal cases.

The Supreme Court, in the Devakar case, stated that DNA evidence is in the nature of opinion evidence as envisaged under Section 45 of the Evidence Act (Section 39 of the Bharatiya Sakshya Adhiniyam, 2023), and like any other Adhinyam, 2023), and like any other opinion evidence, its probative value varies from case to case. Therefore, DNA evidence must be proved scientifically and legally. R.K. Vij is a former IPS officer

THE GIST

The Supreme Court has issued uniform guidelines to ensure the integrity of DNA samples in criminal cases, directing strict documentation, swift transfer, and a clear chain of custody.

Past rulings show that lapses in handling have led to DNA reports being rejected, making both proper collection and quality control essential.



9560300770



www.tathastuics.com





How serious is the global plastic pollution crisis?

What role should governments and individuals play in curbing plastic use?

Prakash Nelliyat

The story so far:

apidly increasing plastic pollution is a serious global environmental issue as it significantly impacts ecosystems, their functions, sustainable development, and ultimately the socio-economic and health dimensions of humanity. With this realisation, this year's World Environment Day (June 5) focused on "Ending Plastic Pollution" and encouraging worldwide awareness and action against it.

How serious is the issue?

The OECD's 'Global Plastic Outlook' reveals that global plastic consumption has increased significantly due to the growth of emerging economies and markets. Plastics production doubled from 2000 to 2019, reaching 460 million tonnes, while waste generation grew to 353 million tonnes. Nearly two-thirds of plastic waste has a lifespan of less than five years, with 40% coming from

packaging, 12% from consumer goods, and 11% from clothing and textiles. Among this waste, only 9% is recycled. Another 19% is incinerated, 50% ends up in landfills, and 22% evades waste management systems, often entering uncontrolled dumpsites, being burned in pits, or ending up in terrestrial or aquatic environments, especially in poorer

countries.
According to the Intergovernmental Negotiating Committee on Plastic Pollution, in 2024 alone, 500 million tonnes of plastic were produced or used generating around 400 million tonnes of aste. If the current trends continue global plastic waste could almost triple by 2060, reaching 1.2 billion tonnes.

The Ocean Conservancy data reveal that each year, 11 million tonnes of plastic enter the ocean, in addition to the estimated 200 million tonnes that already flow through our marine environment. According to a United Nations Environment Programme (UNEP) expert, if the current rate of plastic production and waste generation continues, there

will be more plastic in the ocean than fish by the mid-century

Why is plastic pollution such a grave

The non-biodegradable character of plastics is a serious challenge. It simply breaks into smaller and smaller pieces over time, creating micro- and nano-plastics that infiltrate and contaminate every part of the planet, from the summit of Mount Everest to the depths of the oceans. Plastics account for 3.4% of global greenhouse gas emissions. UNEP has stated that plastic production, use, and disposal could account for 19% of the total global carbon budget by 2040.

What remedies are being proposed? At the fifth session of the UN Environment Assembly (2022), all 193 UN member states agreed to end plastic pollution through a legally binding international agreement. This is critical to achieving the UN Sustainable Development Goals, including climate action, sustainable consumption and production, protection

of oceans, and the restoration of ecosystems and biodiversity. UNEP's ambitious goal of reducing plastic waste by 80% within two decades requires serious action and international cooperation, innovation, better product design, and environment-friendly alternatives, as well as efforts to improve waste management and increase recycling.

As plastics and their chemical additives are primarily made from petrochemical feedstock, limiting their production and eliminating unnecessary items, especially single-use plastics, is urgent. Governments should permit production

only within existing legal frameworks. Most plastics used today are virgin (primary) plastics, while global production of recycled (secondary) plastics is only 6%. Improving recycling technologies and building profitable

markets for recycled plastics are crucial.
Imposing landfill and incineration taxes can incentivise recycling. Extended Producer Responsibility schemes, landfill taxes, deposit refunds, and pay-as-you-throw systems need to be introduced.

Finally, people must adopt greener alternatives that have been used in the past. The media, too, has a significant role to play in shaping awarene Prakash Nellivat is Former Fellow, Centre for Biodiversity Policy and Law at the National Biodiversity Authority, Chennai, and the co-author of the books: Biodiversity Conservation through Access and Benefit Sharing' and Biodiversity and

THE GIST

Plastic pollution is a serious global environmental issue that significantly impacts ecosystems, sustainable development, and human health, with rapidly increasing production and waste threatening oceans and the climate.

Addressing the crisis requires urgent international action, improved recycling, limiting production of unnecessary plastics, and responsible behaviour by individuals and governments.

Amit Khare appointed Secretary to Vice-President

The Hindu Bureau

The Union government on Sunday appointed former IAS officer Amit Khare as Secretary to the new Vice President, C.P. Radha

Mr. Khare has been serving as Adviser to the Prime Minister since October 12, 2021, handling matters related to the social sector in the Prime Minister's Office. He was also part of the core team that formulated and implemented the National Education Policy,

Alma mater

A 1985-batch Jharkhand cadre IAS officer, Mr. Khare is a graduate of St. Stephen's College in Delhi, and holds a postgraduate degree in business administration from the IIM, Ahmedabad.

He is noted for his role in exposing the "fodder scam" of Bihar. He has also worked as Secretary, Information and Broadcasting, and Secretary, Higher Education. His appointment will be for a period of three years from the date he assumes charge.



9560300770



www.tathastuics.com





PM inaugurates India's first bamboo-based ethanol plant

Golaghat facility billed as world's first green bamboo bioethanol plant; ₹7,230-crore polypropylene project also initiated at Numaligarh Refinery; the facility aims to reduce dependence on fossil fuels

rime Minister Na-rendra Modi on Sunday under-scored the need for India to be self-sufficient in ener-

mg energy security, Mr.
Modi said the facility
aimed to promote clean
energy and reduce dependence on fossil fuels.
"Assam is a land that
supports India's energy efficiency. The petroleum
products from Assam are
accelerating the development of India. The BJP government is trying to take
this capacity of Assam to a
new level," he said at a public event.
"India is one of the fastest-growing economies in



the world now. Our energy needs have been increasing with our Vikisk Bharat dream. We spend crores of rupees on imports as we are dependent on other countries for energy. We want to change this by trying to achieve self-sufficiency in energy, the Prime Minister said.

Deep-water exploration
"While we are focusing on
hydrocarbon exploration,
we are also laying stress on
green energy like solar," he
said, highlighting the country's national deep-water
exploration mission to

look for hydrocarbons un-der the sea. Referring to the bioethanol plant, Mr. Modi said it would benefit local farmers and tribal communities. "The government will help them grow and pro-

The government will help them grow and procure the products to ensure a win-win situation," he said. He criticised the
erswhile Congress governments for penalising people for cutting bamboo,
which was earlier categorised as a tree. He said the
BJP government removed
the ban on bamboo cutting
and stressed that the decision was helping the locals

in this part of the country. Numaligarh Refinery Li-mited (NRL) officials said five lakh tonnes of green bamboo would be sourced bamboo would be sourced yearly from four northeast-ern States, including Aru-nachal Pradesh and Assam, to produce 48,900 tonnes of ethanol, 1,000 tonnes of acetic acid, 19,000 tonnes of fuer and 3,000 tonnes of foodgrade liquid carbon dioxide. A Joint venture of NRL and Finland's Fortum and Chempolis OY, the plant is expected to give a 2200-crore boost to Assam's rural economy.



Australia approves first vaccine to save koalas from chlamydia









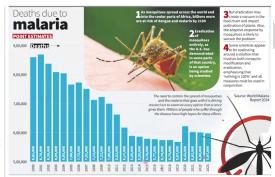
Previous Year Questions (PYQs)

- Q. A class of animals known as Marsupials is a characteristic feature of: [2001]
- (a) Africa
- (b) Australia
- (c) South America
- (d) South-east Asia

Mosquitoes suck – but should we simply get rid of them?

Scientists previously believed that as the world got hotter, mosquitoes might be forced to move to cooler areas. But it seems they can keep pace with a changing climate, so populations may actually expand. In such a world, does it make sense to try and wipe out some mosquitoes altogether?

mored University and sead author of the Scientists previously believed that as ne parts of the world got hotter, soguitoes might be forced to move to oler areas, shifting the populations of mosquitoes. But if they can keep pace th the changing climate, mosquito publations may actually expand their ritories even further. Against the backtop of a world reasingly in the clutches of the published of the control of the control sea for scientists to try and wive out



We should continue treating people to eliminate the reservoir, we should also continue killing mosquitoes. It's important not redy on one approach but to combine every approach but to combine every approach BUM MARCH SOMENS ELOOMERICS SCHOOL OF PUBLIC HAZELT, MARCH, SOMENS ELOOMERICS SCHOOL OF PUBLIC HAZELT SCHOOL OF P









📞 9560300770 🏶 www.tathastuics.com 🔀 support@tathastuics.com



HEAD OFFICE: 53/1, UPPER GROUND FLOOR, BADA BAZAR ROAD, OLD RAJINDER NAGAR, NEW DELHI-110060



Previous Year Questions (PYQs)

Q. Consider the following statements: [2017]

- 1. In tropical regions, Zika virus disease is transmitted by the same mosquito that transmits dengue.
- 2. Sexual transmission of Zika virus disease is possible.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2











support@tathastuics.com

HEAD OFFICE: 53/1, UPPER GROUND FLOOR, BADA BAZAR ROAD OLD RAJINDER NAGAR. NEW DELHI-110060