

EVERYDAY CURRENT AFFAIRS-OCTOBER 29, 2021

TAMIL NADU

- **Tamil Nadu - will add 11 new government medical colleges and 1,450 MBBS seats for admissions in the current year**
- ✓ The Centre has given approval for 150 undergraduate seats in Ariyalur, Dindigul, Nagapattinam and Krishnagiri medical colleges after virtual inspection this year.
- ✓ With this, the total number of government medical colleges in the state will go up to 37 (including ESIC Medical College in KK Nagar) and total UG seats to 5,120.
- ✓ The approval comes a day after state health minister Ma Subramanian met Union health minister Mansukh Mandaviya in New Delhi on October 27.
- ✓ Last month, the Centre had granted permission to admit 850 students to undergraduate medical courses in seven new government medical colleges in the state
- ✓ Accordingly, 150 seats were approved each in Virudhunagar, Kallakurichi and Ooty, and 100 seats each in Namakkal, Tiruvallur, Tiruppur and Ramanathapuram medical colleges.
- ✓ The state has also applied for 200 more seats in Namakkal, Tiruvallur, Tiruppur and Ramanathapuram, which may not be approved this year
- ✓ In August 2019, as a part of a national mission to increase the number of medical colleges in the country, the Centre had granted permission to Tamil Nadu for setting up 11 medical colleges.
- ✓ After construction of hospitals and medical colleges, members from the apex regulatory body, National Medical Council, inspected the campuses in physical and virtual modes.
- ✓ In addition to 36 government medical colleges, the state has 16 self-financing colleges affiliated to Tamil Nadu Dr MGR Medical University that offer 2,350 MBBS seats.
- ✓ At least three more colleges have applied for 150 seats each for this academic year.
- ✓ In addition, at least three deemed universities have applied for increase in seats.

- ✓ The state has 10 deemed universities offering 2,000 MBBS seats.
- **State industries minister Thangam Thennarasu - handed over the dividend cheques for ₹155.26 crore of various PSE's in the state to chief minister M K Stalin in Chennai on October 28.**
- ✓ State-owned public sector enterprises Tamil Nadu Industrial Development Corporation (Tidco) and State Industries Corporation of Tamil Nadu (Sipcot) and Tamil Nadu Newsprint and Papers Ltd (TNPL), a listed entity, together contributed more than ₹155 crore as dividend to the government for the year 2020-21.
- ✓ It included ₹77.93 crore dividend from Tidco, ₹70 crore interim dividend from Sipcot and ₹7.33 crore dividend from TNPL.

NATIONAL

- **CBSE – to tie up with UNICEF and Microsoft for launching a new initiative named as ‘YuWaah Skills’ in India**
- ✓ The new initiative aims to empower children with entrepreneurial, employment and social skills.
- ✓ Under it, CBSE’s 24,000 schools in the country will be part of the global network of 10 countries in the “Passport to Earning” (P2E) initiative of UNICEF
- ✓ By the year 2025, the initiative will empower five million children in India with free, relevant skills certifications to position them for jobs or entrepreneurship opportunities.
- ✓ Globally, P2E is planned for launch in 10 selected countries, with India as the pilot for this flagship initiative, under UNICEF’s Generation Unlimited (GenU) global programme.
- ✓ The skilling and capacity building initiative aim to provide the youth (in the age group of 15-29 years) with relevant skills.
- ✓ CBSE will partner the programme in India where its 24,000 schools are going to roll out this learning management system
- ✓ UNICEF is setting a target of certifying 10 million young people across 15 countries by the end of 2025 of which 5 million will be targeted from India.
- ✓ P2E learning management system includes a wide range of skills — life skills, technical skills and vocational skills, among others.

SCIENCE, TECHNOLOGY & ENVIRONMENT

- **Researchers – have discovered that the sticky mucus secreted by snails can be used as a novel biomaterial for synthesis of silver nanoparticles.**
- ✓ A group of researchers from Shri Shiv Chhatrapati College, Junnar, in collaboration with Department of Technology, Savitribai Phule Pune University, Pune, Centre for Materials for Electronics Technology (C-MET), and other institutes made this discovery.

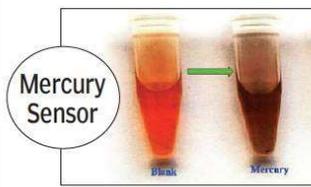
- ✓ The researchers have tested these silver nanoparticles and found them effective for fungal infection, anti-microbial activity in human body or to avoid injury scars.
- ✓ They also investigated its anti-cancer activity against cervical cancer cells.
- ✓ The researchers have now applied for a patent for their work.

BODY SECRETIONS FOR CURE

➤ Snail mucus is a mixture of glycoproteins, hyaluronic acid and glycolic acid, all of which have long-documented benefits for the skin

➤ School of mechanical engineering, Sungkyunkwan University, Suwon, South Korea and department of physics and astronomy college of science, King Saud University, Saudi Arabia were participants in the study

➤ It was carried out on a species called *Achatina fulica*, a terrestrial snail that is an agricultural pest currently creating havoc in the agricultural land in Kerala



- ✓ Snail mucus is an important ingredient of several cosmetic and pharmaceutical products.
- ✓ Hyaluronic acid in the mucus has moisturizing properties while glycolic acid helps to stimulate collagen responsible for skin-glow and radiant complexion.
- ✓ Silver nanoparticles in biocompatible mucus exhibited anti-cancer activity against cervical cancer cell lines
- ✓ Hence, silver nanoparticles based topical cream/gel can be used for effective acne treatment as well as for rapid wound healing without leaving scars.
- ✓ As compared to bacterial diseases, fungi mediated diseases are tedious to control, because very few antifungal drugs are available.

APPOINTMENTS

- **The government - has appointed veteran banker K V Kamath as the first chairperson of the National Bank for Financing Infrastructure & Development (NaBFID).**

- ✓ Former chief of the New Development Bank (Brics Bank), Kamath has been given a three year term as chairperson of the newly set up Rs 20,000 crore development finance institution, NaBFID
- ✓ Kamath, the first head of the New Development Bank (NDB) set up by the BRICS group of countries, had completed his five-year tenure last year.
- ✓ He is expected to play a key role in giving shape to the new development financial institution (DFI) that will focus on providing long-term funding.
- ✓ The 73-year-old banker began his career at erstwhile development finance institution (DFI) ICICI in 1971.
- ✓ Kamath also served at ADB in Manila between 1988 and 1996 and worked in various projects across China, Indonesia, Philippines, Bangladesh and Vietnam.



- ✓ He oversaw ICICI successfully transitioning from a DFI into a universal bank.
- ✓ He retired as managing director and CEO of ICICI in April 2009 and became its non-executive chairman
- ✓ Kamath, an IIM-Ahmedabad alumnus, also served on the board of IT major Infosys as the non-executive chairman.
- ✓ He was succeeded by Chanda Kochhar, who stepped down in 2018 after being linked in the ICICI Bank-Videocon money laundering case.
- ✓ The NaBFID Act enables the government to guarantee bonds and other debt instruments issued by the institution.
- ✓ NaBFID will help fund about 7,000 infra projects under the National Infrastructure Pipeline (NIP) which envisages an investment of Rs 111 lakh crore by 2024-25.
- ✓ To begin with, the institution will be 100% government owned.
- ✓ In March 2021, the Parliament had cleared the National Bank for Financing Infrastructure and Development (NaBFID) Bill 2021 to support the development of long-term non-recourse infrastructure financing
- ✓ In India, the first DFI was launched in 1948 with the setting up of the Industrial Finance Corporation of India (IFCI).
- ✓ Subsequently, the Industrial Credit and Investment Corporation of India (ICICI) was operationalised with the backing of the World Bank in 1955.
- ✓ The Industrial Development Bank of India (IDBI) came into existence in 1964 to promote long-term financing for infrastructure projects and industry.

SPORTS

- **The 17-year-old Sambhav R – emerged as the fastest male swimmer of the Senior National Aquatic Championships at the Basavanagudi Aquatic Centre in Bengaluru, Karnataka**



- ✓ Karnataka's Sambhav R won the single-lap 50m freestyle event in 23.65 seconds at the 74th Senior National Aquatic Championships
- ✓ This was Sambhav's maiden senior National individual medal, having made his debut at the 2019 Nationals in Bhopal.
- ✓ At the 47th Junior National Aquatic Championships held last week, the youngster had claimed four gold and a bronze in individual events.
- ✓ Sambhav trains at the Bangalore Swimmers Research Centre under coach Jairajan
- ✓ In the 200m butterfly for men, two-time Olympian Sajan Prakash bagged gold with a comfortable lead of over five seconds
- ✓ Delhi's Kushagra Rawat achieved another national record in the 1500m freestyle for men to beat his own record set in 2019

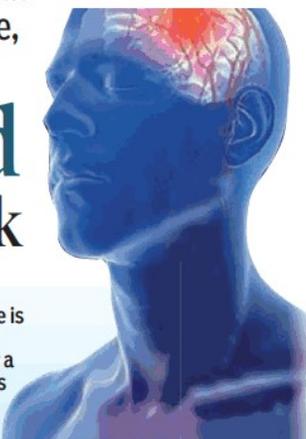
INTERNATIONAL DAY

- **World Stroke Day – October 29**
- ✓ The Day is observed to spread awareness about the prevention steps needed to be taken against the fatal condition of stroke, which is caused due to the reduced or interrupted blood flow in the brain
- ✓ This leads to insufficient nutrient and oxygen supply in the brain causing it to dysfunctional and damage.
- ✓ More than one-third of people over the age of 70 may have a silent stroke and this perhaps is the second leading cause of disability
- ✓ World Stroke Day was established in 2004 at the World Stroke Congress in Vancouver, Canada under the leadership of Dr Vladimir Hachinski.
- ✓ By 2006, the International Stroke Society and the World Stroke Federation merged to form the World Stroke Organisation (WSO), which took over the

management of World Stroke Day and declared stroke a public health emergency in 2010.

On World Stroke Day (Oct 29), a look at ways to minimise the effect of stroke, a serial killer globally, and in India

How to avoid a 'stroke' of bad luck



WHAT IS A STROKE?

Stroke is caused by disruption of blood circulation to the brain, which can be due to obstruction or narrowing



of a blood vessel. A stroke is a brain attack. Every second you waste after a stroke results in the loss of 30,000 neurons

PREVENTION OF STROKE

- Get enough sleep, at least eight hours a night
- Eat a balanced diet of fruit vegetables and enough protein
- Exercise at least 150 minutes a week
- Reduce salt intake
- Avoid smoking and alcohol



FACT CHECK

One stroke occurs every 6 seconds



One in six people can develop stroke



Around 20% of those who get a stroke are under 45 years



SIGNS YOU ARE HAVING A STROKE

Balance, noticeable eye or vision disturbance, facial drooping, weakness or numbness in the arm or leg, and slurring of speech

“ If you thought that strokes were a point of concern only among the elderly, you couldn't be more wrong. Around 20% of the strokes in India occur in the under-45s

-- Dr Sathish Kumar V, SENIOR CONSULTANT, NEUROPHYSICIAN GLENEAGLES GLOBAL HEALTH CITY

Compiled by Kamini Mathai

- ✓ More than 13 million people will have a stroke each year and around 5.5 million will die as a result, according to WSO
- ✓ An estimated 70% of strokes and 87% of stroke-related deaths and disability-adjusted life years occur in low- and middle-income countries
- ✓ For 2021 and 2022, the WSO campaign aims to focus on raising awareness of the signs of stroke and the need for timely access to quality stroke treatment
- ✓ The World Stroke Campaign's goodwill ambassadors include Indian Cricketer Sunil Gavaskar, former Miss Egypt Dalia El Behery and cyclist Alberto Contador.

