

sDecember - 26

TNPSC BITS

- ❖ The Uttar Pradesh government has launched Varasat Campaign in the state to curb property and land-related disputes in the rural areas.
- ❖ The National Water Mission in collaboration with Nehru Yuva Kendra Sangathan (NYKS) launched “Jal Shakti Abhiyan II: Catch the Rain awareness campaign” to promote rainwater harvesting.
 - The Tagline of this campaign is “Catch the rain, where it falls, when it falls”.
- ❖ The Marine Products Export Development Authority (MPEDA) under the Ministry of Commerce and Industry has launched a call centre for aqua farmers in Vijayawada at Andhra Pradesh
 - It is India first call centre in this regard.
- ❖ The Kerala government and UN Women have collaborated to establish India’s first Gender Data Hub.
 - It is to be established at the Gender Park headquartered at Thiruvananthapuram.
- ❖ The Himachal Pradesh chief minister Jai Ram Thakur inaugurated the International Gita Mahotsav 2020 at Haryana’s Kurukshetra.

NATIONAL

New Routes for Inland waterway

- ❖ The Government of India recently identified new routes for ferry services through inland waterways.
- ❖ The new routes include Hazira, Somnath temple, Okha and Jamnagar.
- ❖ Also, destinations along the international routes have also been identified under the Sagarmala Project.
- ❖ The Sagarmala project aims to promote port led development in the country by using the 7,500 km long coastline.
- ❖ Around six international routes have been identified for this.
- ❖ These routes include four international destinations such as Seychelles, Chattogram of Bangladesh, Madagascar and Jaffna of Sri Lanka.
- ❖ The Inland Waterways Authority of India has planned to increase the cargo handling capacity of the country to 100 million tonnes by 2021-22.

India International Science Festival (IISF)

- ❖ On December 22, 2020, PM Modi inaugurated the 6th India International Science Festival.
- ❖ Theme of this festival is “Science for Self-Reliant India and Global Welfare”.
- ❖ A Vigyan Yatra was flagged off on December 14 to increase scientific temperament ahead of IISF 2020.
- ❖ It was conceptualised in 2015 by the Ministry of Science and Technology, Department of Biotechnology (DBT), Indian Council of Medical Research (ICMR), Ministry of Earth Sciences (MoES) along with a science organisation named Vijnana Bharati (VIBHA).
- ❖ Its aim is to promote the use of Science, Technology, Engineering and Mathematics (STEM) in daily life.




100th Year of Aligarh Muslim University (AMU)

- ❖ PM Modi released postal stamp to mark the centenary celebrations of Aligarh Muslim University.
- ❖ This is the first time PM Modi participated in a programme of the Aligarh Muslim University in the Uttar Pradesh.
- ❖ Also, it was the first time in the history of five decades when a prime minister was attending an event of this university as a chief guest.
- ❖ The last prime minister to attend any such event at AMU was Lal Bahadur Shastri in the year 1964.
- ❖ PM Modi lauds AMU as ‘mini-India’.
- ❖ AMU became a University in 1920 through an Act of Indian Legislative Council.

- ❖ It elevated the status of the Mohammedan Anglo Oriental (MAO) College to the status of a Central University.
- ❖ MAO College was set up in 1877 by Sir Syed Ahmad Khan.
- ❖ After that the college came to be known as the Aligarh Movement.
- ❖ It pushed the need for establishing a modern education system for the Indian Muslim populace.
- ❖ It has three off-campus centres in Malappuram (Kerala), AMU Murshidabad centre (West Bengal), and Kishanganj Centre (Bihar).

100 years of Aligarh Muslim University, India



**9 Sep. 1920, on this day
University Bill passed.**

Source: PRO, AMU Aligarh.
amu.ac.in

Timeline of Aligarh Muslim University

24 May, 1875	Madrasatul Uloom founded.
1877 became	Muhammadan Anglo-Oriental College.
27 Aug. 1920	Muslim University Bill presented.
09 Sep. 1920	Aligarh Muslim University Bill passed.
14 Sep. 1920	Assent of Governor-General.
01 Dec. 1920	AMU Established.
17 Dec. 1920	AMU Inaugurated.

SCIENCE AND TECHNOLOGY

Five Hundred Meter Aperture Spherical Telescope

- ❖ China is opening its world largest Radio Telescope for international scientists.
- ❖ It is the largest filled-aperture Radio Telescope.
- ❖ It is the second largest single dish aperture Radio Telescope.
- ❖ The RATA-600 in Russia is the world largest Single-dish aperture telescope.
- ❖ The World's second largest Arecibo Observatory collapsed in Puerto Rico recently.



ENVIRONMENT

Assessment of Indian Sharks

- ❖ The International Union for Conservation of Nature's (IUCN's) Shark Specialist Group has assessed the sharks, rays and chimaeras in the Indian Exclusive Economic Zone (EEZ).
- ❖ This assessment has classified 19 species (11%) of the 170 species of sharks, rays and chimaeras from Indian EEZ as Critically Endangered (CE).
- ❖ It marks for the first time Indian swellshark *Cephaloscyllium silasi* as 'CE' due to very limited geographic range, and population decline.
- ❖ Indian swellshark is a deep-water catshark known from the coast of Kerala and Sri Lanka, and Andaman & Nicobar Islands.
- ❖ The Oceanic White tip shark that was classified as endangered has now been listed critically endangered.

IMPORTANT DAYS

International Human Solidarity Day – December 20


- ❖ It is an international annual Unity Day of the United Nations (UN).
- ❖ It was established in 2005 by the UN General Assembly.

- ❖ "HeForShe" is the UN slogan for worldwide solidarity movement for gender equality.



National Mathematics Day – December 22

- ❖ It was announced by the former Prime Minister Manmohan Singh on 26 February 2012 at Madras University
- ❖ It was to mark the 125th anniversary of the birth of Srinivasa Ramanujan's birthday.
- ❖ 2012 was also celebrated as the National Mathematics Year.
- ❖ On this day in 1887, Ramanujan was born at Erode, Tamil Nadu.
- ❖ 'The man who knew infinity' is his autobiography film released in 2015.
- ❖ In 1918 he was elected a Fellow of the Royal Society for his research on Elliptic Functions and theory of numbers.
- ❖ In 1918 he also became the first Indian to be elected a Fellow of Trinity College, Cambridge
- ❖ Ramanujan found theorems to solve tricky trigonometric problems.
- ❖ The SASTRA Ramanujan Prize is awarded every year to a young mathematician (below the age of 32) judged to have done outstanding work in Ramanujan's fields of interest.
- ❖ The 2020 SASTRA Ramanujan Prize will be awarded to Shai Evra of Princeton University, U.S., and Hebrew University of Jerusalem, Israel.

The Mathematical Genius SRINIVASA RAMANUJAN

22 December 1887 – 26 April 1920

All-time great mathematician, despite his lack of formal education and a short life-span, left behind 4000 original theorems.

Made extraordinary contributions to mathematical analysis, number theory, infinite series, & continued fractions

Awarded the B.A. Degree by research of the Cambridge University in 1916 & elected a Fellow of the Royal Society of London in Feb. 1918

Ramanujan prime & Ramanujan theta function inspired a vast amount of further research.

Known for Ramanujan's sum
Landau-Ramanujan constant
Mock theta functions
Ramanujan conjecture
Ramanujan Soldner constant
Rogers-Ramanujan identities
Ramanujan's master theorem

"An equation means nothing to me unless it expresses a thought of God"

