

May - 13

TNPSC BITS

- ❖ The 126th Annual Flower Show in Udhamandalam was inaugurated recently.
- ❖ The Tamil Nadu Animal Husbandry Department banned any import, breeding, or sale of 33 breeds of dogs that have been termed "dangerous" for people.
- ❖ Dubai has launched an innovative Gaming Visa, to transform the city into a global gaming hub by attracting 30,000 game developers by 2033.
- ❖ Social worker Mr. Pawan Sindhi was bestowed with the prestigious Global Pride of Sindhi Award 2024.
- ❖ The 19th Session of the United Nations Forum on Forests (UNFF19) was held in New York, United States.
- ❖ Researchers at Google DeepMind have developed AlphaFold 3, an AI model that can predict the structure of and interactions between biological molecules including proteins, DNA and RNA, and small molecules that could function as drugs.
- ❖ The Time of Remembrance and Reconciliation for Those Who Lost Their Lives during the Second World War was observed on May 08-09.
- ❖ Russia observed the Victory Day on May 09th that commemorates the Soviet Union victory over Nazi Germany in 1945.

TAMIL NADU

Class X results in Tamilnadu

- ❖ This year, 91.55% of students have registered a pass in the Class X State board exams.
- ❖ Ariyalur district tops the list at 97.3%, while Sivagangai district is second at 97% and Ramanathapuram district is third at 96.3%.
- ❖ This year's pass percentage has surpassed last year's 91.39% by a small margin.
- ❖ However, the total number of students who took the exam this year has fallen from last year's 9,14,320 to 8,94,260 students this year.
- ❖ Girls outperformed boys with 94.53% while the boys were at 88.58%.
- ❖ This shows a 5.85% difference in the pass percentage.
- ❖ Out of the 12,625 schools in the State, 4,105 schools and 1,364 government schools recorded a 100% pass.



- ❖ As many as 20,691 students scored a centum in Mathematics while 5,104 students scored a centum in science.
- ❖ In Tamil, only eight centum were recorded while English saw 415 centum.
- ❖ As many as 228 prison inmates in the State passed the exam out of the total 260 who wrote the exam.

S.NO	DESCRIPTION	2020	2021	2022	2023	2024
1	No. of Candidates appeared	9,39,829	9,60,216	9,12,620	9,14,320	8,94,264
2	Composition of School Candidates					
	a) Boys	4,71,759	4,91,332	4,60,120	4,59,303	4,47,203
	b) Girls	4,68,070	4,68,883	4,52,499	4,55,017	4,47,061
	c) Transgender		1	1		
3	Overall Percentage of Pass Among School Candidates	100.00 % (9,39,829)	100.00 % (9,60,216)	90.07% (8,21,994)	91.39% (8,35,614)	91.55% (8,18,743)
4	Percentage of Pass among School Candidates					
	a) Boys	100.00 % (4,71,759)	100.00 % (4,91,332)	85.83% (3,94,920)	88.16% (4,04,904)	88.58% (3,96,152)
	b) Girls	100.00 % (4,68,070)	100.00 % (4,68,883)	94.38% (4,27,073)	94.66% (4,30,710)	94.53% (4,22,591)
	c) Transgender		(100 %) 1	(100 %) 1		

NATIONAL

Share of Religious Minorities (1950-2015)

- ❖ The Economic Advisory Council to the Prime Minister (EAC-PM) has recently published working paper on the share of religious minorities in 167 countries, including India.
- ❖ The paper strikingly claimed that for India, while the share in population of Muslims increased by 43.15% in this time period, the share in population of Hindus decreased by 7.82%.
- ❖ In 1950, Hindus' share in population was 84.68%, coming down to 78.06% in 2015.
- ❖ Similarly, Muslims' share in population had risen from 9.84% to 14.09%.

- ❖ The paper has concluded that Hindus' share declined by 7.82%, Christians' rose by 5.38%, Sikhs went up by 6.58%, and that of Parsis went down by 85%.
- ❖ The 2011 Census had counted 96.63 crore Hindus — 79.8% of the population and 17.22 crore Muslims — 14.2% of the population in the country at the time.

Sl. No.	Country	Religious denomination (1950)	Major Religion (1950)	Majority Religion Share (1950)	Majority Religion Share (2015)	Rate of change in share	Religious denomination (2015)
1	Myanmar	Theravada Buddhists	Buddhist	78.53	70.80	-9.84	Theravada Buddhists
2	India	Hindus	Hindus	84.68	78.06	-7.82	Hindus
3	Nepal	Hindus	Hindus	84.30	81.26	-3.61	Hindus
4	Maldives	Shafii Sunnis	Muslim	99.83	98.36	-1.47	Shafii Sunnis
5	Afghanistan	Hanafi	Muslim	88.75	89.01	0.29	Hanafi
6	Pakistan	Hanafi	Muslim	77.45	80.36	3.75	Hanafi
7	Sri Lanka	Theravada Buddhists	Buddhist	64.28	67.65	5.25	Theravada Buddhists
8	Bhutan	Tibetan Buddhists	Buddhist	71.44	84.07	17.67	Tibetan Buddhists
9	Bangladesh	Hanafi	Muslim	74.24	88.02	18.55	Hanafi

Contribution to UN counter terrorism fund



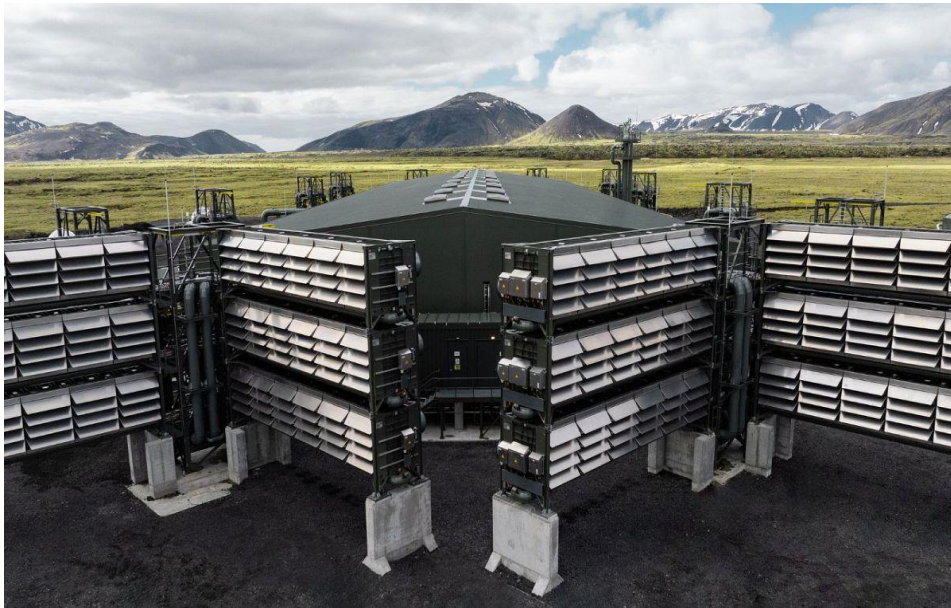
- ❖ India has contributed \$500,000 to the UN Counter-Terrorism Trust Fund.
- ❖ Since 2018, India has also been actively supporting programmes combating this threat.

- ❖ With its current contribution, India's cumulative financial support to the trust fund now stands at \$2.55 million.
- ❖ India's contribution would support mainly Countering Financing of Terrorism and Countering Terrorist Travel Programme.
- ❖ This fund was established in 2009

INTERNATIONAL

World's largest carbon capture plant

- ❖ The world's largest facility designed to remove carbon dioxide from the atmosphere started operations in Iceland.
- ❖ It is dubbed as "Mammoth," this plant is Climeworks' second commercial direct air capture (DAC) facility.
- ❖ This cutting-edge technology draws in air and chemically extracts carbon dioxide, which can then be stored underground, converted into stone, or reused.
- ❖ The Mammoth direct air capture and storage (DAC+S) plant run by Climeworks is 10 times bigger than the Swiss company's previous plant, Orca.

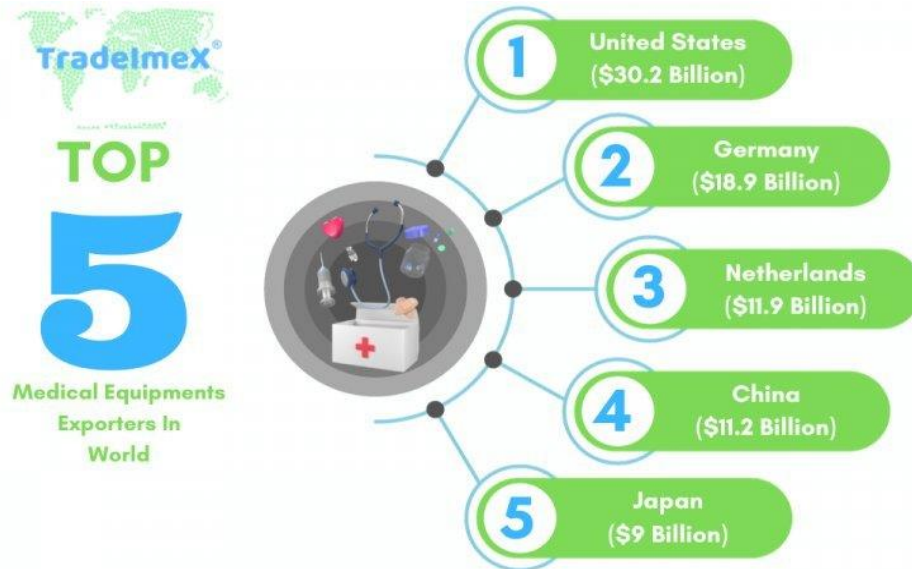


ECONOMY

India's medical consumables export

- ❖ India has now reversed an old trend to become a net exporter of medical consumables and disposables, a first for the country.

- ❖ Till now, the foreign products dominated the country's market for medical consumables, which include needles and catheters, among other things.
- ❖ During the fiscal year 2022-23, the country exported consumables and disposables valued at \$1.6 billion.
- ❖ It is surpassing imports which amounted to approximately \$1.1 billion.
- ❖ Exports witnessed a 16% increase over the previous fiscal year, whereas imports saw a 33% decline.



SCIENCE AND TECHNOLOGY

3D-Printed Rocket Engine



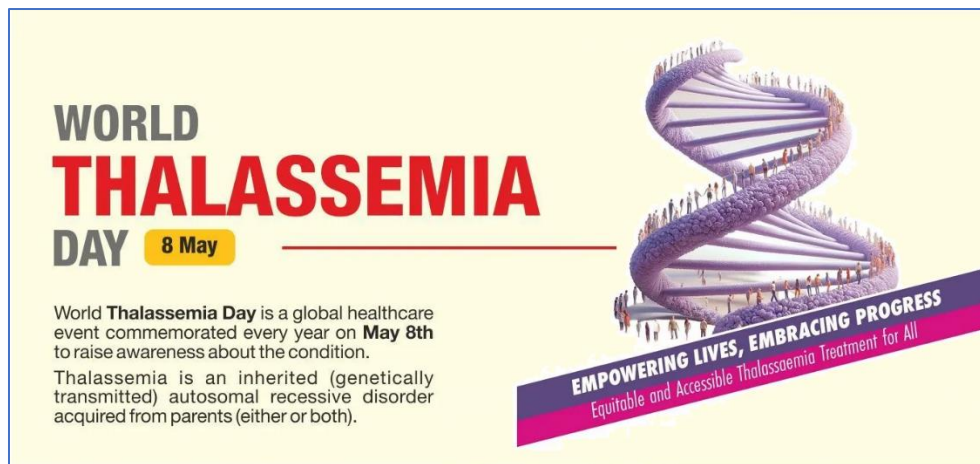
- ❖ ISRO successfully conducted hot testing of liquid rocket engine manufactured through 3D printing technology.



- ❖ The engine used is the PS4 engine of PSLV upper stage.
- ❖ The same engine is also used in the Reaction Control System (RCS) of the first stage (PS1) of PSLV.
- ❖ The engine uses the earth-storable bipropellant combinations of Nitrogen Tetroxide as oxidizer and Mono Methyl Hydrazine as fuel.

IMPORTANT DAYS

World Thalassaemia Day 2024 - May 08



- ❖ It aims to debunk misconceptions surrounding the disease and advocate for enhanced research towards improved treatment and care options.
- ❖ Thalassaemia stands as an inherited disorder marked by diminished levels of haemoglobin and a reduced count of red blood cells compared to the normal.
- ❖ Haemoglobin is the protein responsible for carrying oxygen.
- ❖ This day was inaugurated by the Thalassaemia International Federation (TIF) in 1994.
- ❖ The theme for 2024 is "Empowering Lives, Embracing Progress: Equitable and Accessible Thalassaemia Treatment for All."

World Migratory Bird Day 2024 - May 11

- ❖ This day is celebrated every year in May and October.
- ❖ This year, it falls on 11 May and 12 October, due to the varying cyclic patterns of bird migration in different hemispheres.
- ❖ This is an annual awareness-raising campaign to highlight the necessity of conserving migratory birds and their habitats.

- ❖ The theme of 2024 is 'Protect Insects, Protect Birds.'



Maharana Pratap Jayanti 2024 - May 09

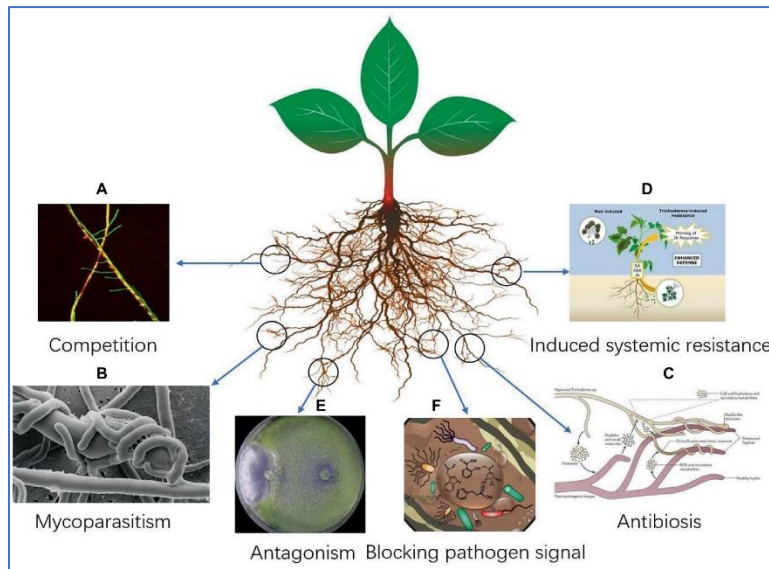


- ❖ According to the Julian calendar, Maharana Pratap was born on May 9, 1540.
- ❖ Maharana Pratap was a Hindu Rajput King of Mewar, Rajasthan.
- ❖ He belonged to the Sisodiya clan of Rajputs and is known as one of the revered kings to have ruled this country.

- ❖ He is famously known for his Battle of Haldighati where he fought against Mughal Emperor Akbar.
- ❖ In January 1597, Maharana Pratap had sustained a lot of injuries and died on January 29th.

MISCELLANEOUS

Trichoderma asperellum



- ❖ The Punjab Agricultural University (PAU), Ludhiana, has developed biocontrol agent *Trichoderma asperellum* (2% WP).
- ❖ The biocontrol agent will help Punjab farmers manage the deadly 'foot rot' or 'bakanae' disease that plagues the crops of Basmati rice.
- ❖ This would be a major development in Punjab, which, along with Haryana, accounts for more than 70% of India's basmati exports.
- ❖ This disease caused by the fungus *Fusarium verticillioides*; a soil-seed borne pathogen which spreads the infection through the root of the plant.

