

September - 04

## TNPSC BITS

- ❖ Ahmedabad Railway Division has successfully introduced a Baggage Sanitization and Wrapping machine at Ahmedabad Railway Station.
  - This machine is a first of its kind across the Indian Railways.
- ❖ Google has announced a new initiative called The Anywhere School, bringing over 50 new features across Google Meet, Google Classroom, G Suite and other products to more than 250 countries around the world.
- ❖ Ministry of Tourism recently organised the 50th webinar titled “Cultural heritage of Hyderabad” under Dekho Apna Desh series.
  - This series aims to create awareness about and promote various tourism destinations of India
- ❖ Hurricane Laura made landfall as an extremely dangerous Category 4 storm near Cameron, Louisiana at USA.

## NATIONAL

### Women Participation in NREGS

- ❖ As per the National Rural Employment Guarantee Scheme (NREGS) portal, that the Participation of women in the NREGS is the lowest since 2013-14.
- ❖ It has dipped to 52.46%.
- ❖ According to the data, there are 13.34 crore active beneficiaries under NREGS.
- ❖ Of this, 6.58 crores are women.
- ❖ The national average of women’s share had dipped by 2.24%.
- ❖ Among the states, Andhra Pradesh saw the highest fall of 3.58%.
- ❖ The participation of women in the scheme in the state of AP was 60.5% in 2019.
- ❖ It has now declined to 56.47%.
- ❖ This was followed by West Bengal, Telangana and Himachal Pradesh.
- ❖ Kerala had the highest share of women person days with 91.38%.
- ❖ It followed by Puducherry, Tamil Nadu, Goa, Rajasthan and Himachal Pradesh.
- ❖ The state of Jammu and Kashmir had the lowest participation of women.
- ❖ It stood at 30.72%.



- ❖ It was followed by UP, Nagaland, Arunachal Pradesh, Jharkhand and Madhya Pradesh.

### **Draft standard for drinking water supply**

- ❖ The Bureau of Indian Standards has prepared a draft standard for the supply of piped drinking water.
- ❖ It has been named “Drinking Water Supply Quality Management System-requirements for piped drinking water supply service”.
- ❖ The draft was prepared by the BIS Public Drinking Water Supply Services Sectional Committee.
- ❖ The draft was developed with the aim to provide safe and adequate drinking water to rural households by 2024.
- ❖ It gives standards to the limit of substances in drinking water.
- ❖ This includes heavy metals such as arsenic and pH of the water, dissolved salts, colour, odour and turbidity.

## **INTERNATIONAL**

### **Kavkaz-2020**

- ❖ India has withdrawn its participation from the multilateral Military Exercise “Kavkaz 2020” to be held in Russia.
- ❖ Due to COVID-19 and consequent difficulties in exercise, India has decided not to send a contingent this year to Kavkaz-2020.
- ❖ Both China and Pakistan are going to be a part of the multinational exercise.

## **ECONOMY**

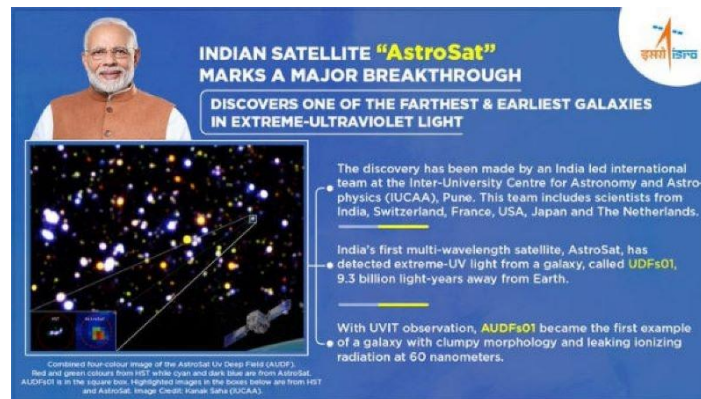
### **Eat Out to Help Out scheme**

- ❖ This Scheme is an economic recovery measure by the UK government to support hospitality businesses as they reopen after the COVID-19 lockdown in the country.
- ❖ The scheme was announced as part of the Plans for Jobs summer economic update.
- ❖ Under the EOHO Scheme, the government would subsidise meals (food and non-alcoholic drinks only) at restaurants by 50 per cent, from Monday to Wednesday every week, all through August.

## SCIENCE AND TECHNOLOGY

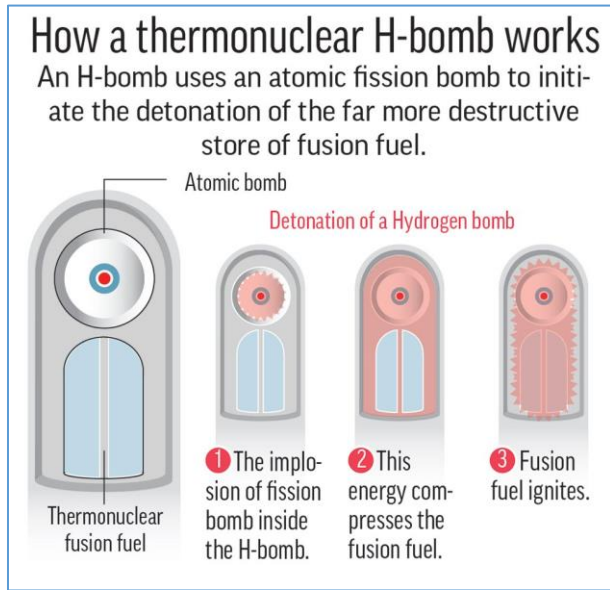
### AUDFs01 Galaxy

- ❖ India's first multi-wavelength satellite observatory, ASTROSAT, has detected an extreme ultraviolet (UV) light from a galaxy called "AUDFs01".
- ❖ It is 9.3 billion light-years away from Earth.
- ❖ The galaxy is located in the Hubble Extreme Deep field (XDF).
- ❖ ASTROSAT was launched in 2015.
- ❖ It is the first dedicated Indian astronomy mission aimed at studying celestial sources in X-ray, optical and UV spectral bands simultaneously.



### Largest ever Hydrogen bomb blast

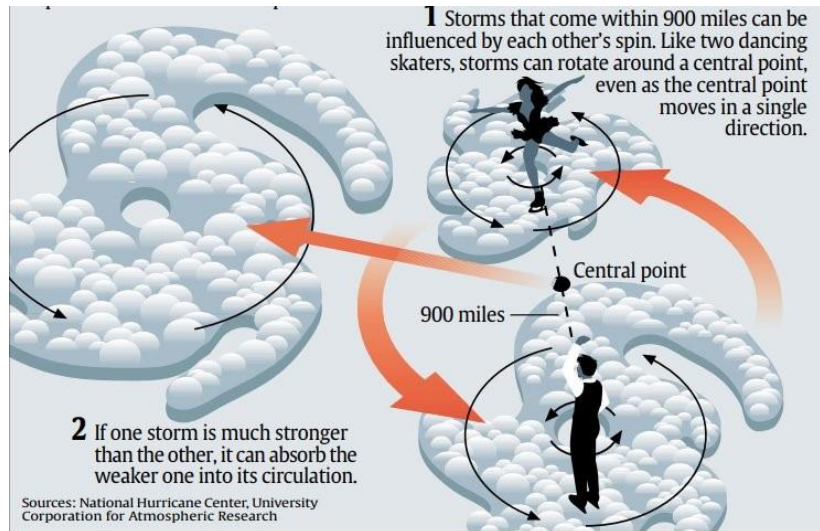
- ❖ Russia released a 40-minute video of detonation of the world's most powerful hydrogen bomb.
- ❖ The bomb was called the Tsar Bomb.
- ❖ It is believed to be 3,333 times more destructive than that of the Hiroshima and Nagasaki Atom bombs Little Boy and Fat Man.
- ❖ The Hydrogen bomb was first tested over Novaya Zemlya, an archipelago in the Arctic Ocean.
- ❖ The video released was titled "Top Secret: Test of a clean hydrogen bomb with a yield of 50 mega tonnes."
- ❖ The countries that have conducted hydrogen bomb tests are Britain, US, Russia, France and China
- ❖ Hydrogen bombs have so far not been used in any war.



## ENVIRONMENT

### Fujiwhara effect

- ❖ Simultaneous formation of two storms in western Atlantic Ocean creates Fujiwhara effect scare.
- ❖ The Fujiwhara effect happens when two tropical systems come near, then orbit each other, or possibly merge into one system.
- ❖ If two cyclones pass within 900 miles of each other, they can start to orbit.
- ❖ The term “Fujiwhara effect” refers to the interaction between the two tropical weather systems.
- ❖ It is named for Sakuhei Fujiwhara, a Japanese meteorologist who first described the effect in 1921.



## MISCELLANEOUS

### UNICEF report on school children

- ❖ UNICEF released a report named “COVID-19: Are children able to continue learning during school closures?”.
- ❖ As per the report, At least a third of the world’s schoolchildren (463 million children globally) were unable to access remote learning when COVID-19 shuttered their schools.
- ❖ Globally, 3 out of 4 students who cannot be reached by remote learning opportunities come from rural areas and/or poor households.
- ❖ Almost all countries implemented digital and broadcast remote learning policies, but only 60 per cent did so for pre-primary education.
- ❖ The report highlights significant inequality across regions.
- ❖ Schoolchildren in sub-Saharan Africa are the most affected, with half of all students cannot be reached with remote learning.

