

# National Science Day, 2022

March 2, 2022

**In news**— Each year, February 28 is celebrated as National Science Day to commemorate the discovery of the 'Raman Effect' by Indian physicist Chandrasekhara Venkata Raman (CV Raman) in 1928.

## About National Science Day-

- In 1986, The **National Council for Science and Technology Communication** (NCSTC) requested the Center to designate February 28 as National Science Day.
- After that, the Government of India accepted that proposal, and the first National Science Day was celebrated on February 28, 1987.
- **The theme for the year 2022 is 'Integrated Approach in Science and Technology for a Sustainable Future'.**

## About Raman Effect-

- The Raman Effect is a **change in the wavelength of light that occurs when a light beam is deflected by molecules.**
- When a beam of light traverses a dust-free, transparent sample of a chemical compound, a small fraction of the light emerges in directions other than that of the incident (incoming) beam.
- Most of this scattered light is of unchanged wavelength.
- A small part, however, has wavelengths different from that of the incident light; its presence is a result of the Raman effect.
- It is a spectroscopy phenomenon discovered by CV Raman when he was working in the Laboratory of Indian Association for the Cultivation of Science, Kolkata.
- He observed the phenomena in 1921 when he noticed the blue colour of the Mediterranean Sea and icebergs.
- He performed various experiments and was the first one

to publish the observations in 1928 and he won a Nobel Prize for his discovery in 1930.