International Day of Mathematics (IDM), 2022

March 16, 2022

In news— Internationally, March 14 is celebrated as International Day of Mathematics or Pi Day as the date, which is written as 3/14 in many countries resembles the value of pi.

About the International Day of Mathematics(Pi Day)-

- Pi Day is celebrated on March 14 to celebrate the mathematical constant, Pi which happens to have one of the most recognisable mathematical symbols π.
- It is celebrated on this day since the date, when written in the format of month/day (3/14), matches the first three digits of the value of the mathematical constant.
- **The theme for the 2022** International Day of Mathematics is *Mathematics Unites.*
- March 14 2022 also marked the 143rd birth anniversary of Nobel Prize winning physicist Albert Einstein.
- The IDM project is **led by the International Mathematical Union(IMU)** with the support of numerous international and regional organizations from all over the world.
- IMU is an international non-governmental and non-profit scientific organization, with the purpose of promoting international cooperation in mathematics.
- It is a member of the International Science Council (ISC). IMU endorses ISC's Principle of Freedom, Responsibility and Universality of Science.

- **In November 2019, in its 40th General Conference, UNESCO, announced Pi Day as the International Day of Mathematics. The first celebration was held on March 14, 2020.**

- It was mathematician Archimedes of Syracuse, born in 287

BC, who first calculated the value of the Pi.

- However, th**e mathematical constant was popularized later when Swiss mathematician Leonhard Euler used the symbol of Pi in 1737.**

- **The symbol for Pi has been in use for over two and a half centuries now. It also finds its place in Egyptian mythology.**

- People in ancient Egypt believed that the pyramids of Giza were built on the principles of pi.

- Pi also happens to be a unique Mathematical value as it represents the ratio of the circumference of any circle to its diameter.

- Most commonly the value of Pi is calculated up-to two decimal points, 3.14. However, given it is an irrational number, following the decimal point, the digits do continue to go on up to 70,000 decimal points. **The value of Pi in fraction is 22/7.**

India's National Mathematics Day-

- It is **observed on December 22 to mark the birth anniversary of India's famed mathematician Srinivasa Ramanujan.**

- The **day was first marked in 2012 by former prime minister Dr Manmohan Singh to commemorate Ramanujan's 125th birth anniversary.**

- From his childhood, he has had a huge passion for mathematics. So much so that at the age of 12, he had mastered trigonometry and developed many theorems on his own with no assistance.

- **His breakthrough finally came in 1913, when Ramanujan wrote to G H Hardy.**

- The British mathematician, on realising Ramanujan's genius wrote back to him, invited him to London. Hardy then got Ramanujan into Trinity College, Cambridge and what began was a captivating saga of success.

- **In 1917, Ramanujan was elected to be a member of the London Mathematical Society. In 1918, he also became a Fellow of the Royal Society, becoming the youngest person to achieve the feat.**

- The London weather and the poor eating habits slowly affecting the health of Ramanujan, and he breathed his last in Kumbakonam at an age of 32.