Prelims Bits 11-03-2019

Nari Shakti Puruskar

- Nari Shakti Puruskar is the highest civilian honour that is awarded to exclusively to women.
- It is awarded by the Ministry of Women and Child Development.
- The awards is being conferred on 8th March on the occasion of International Women's Day (IWD).
- The award would be conferred on eminent women and institutions rendering distinguished service to the cause of women especially belonging to the vulnerable and marginalized sections of the society.
- Award in each category shall carry a certificate and a cash amount.

Combat Causality Drugs

- DRDO develops 'combat causality drugs' to reduce casualties in Pulwama type attacks and during warfare.
- The combat causality drugs can extend the golden hour till the trooper is shifted to hospital.
- These medicines will ensure soldiers do not suffer from unwanted blood loss while being taken to a better healthcare from war zones.
- The drugs include bleeding wound sealants, super absorptive dressings and glycerinated saline, all of which can save lives in the event of warfare in the jungle and high altitude areas as well as in terror attacks.

Clownfish Hatchery

- Clownfish or anemonefish are most widely used in aquariums, these fishes form symbiotic mutualisms with sea anemones.
- Depending on species, anemonefish are overall yellow, orange, or reddish or blackish colour, and many show white bars or patches.
- National Bureau of Fish Genetic Resources (NBFGR) has launched a new project in coastal Maharashtra which aims to train villagers in the clownfish trade.
- For this purpose, a clownfish hatchery will be established in Mumbai.

Symbiotic Mutualism

- Mutualism describes the ecological interaction between two or more species from which individuals of both species gain fitness benefit.
- Example - Flowering plants being pollinated by animals.
- Mutualism is often conflated with two other types of ecological phenomena, namely

1. **Cooperation -** Cooperation refers to increases in fitness through within-species (intraspecific) interactions.
2. **Symbiosis -** Symbiosis involves two species living in close proximity and may be mutualistic, parasitic, or commensal, so symbiotic relationships are not always mutualistic.

Marayoor Jaggery

- Recently Marayoor Jaggery has received the Geographical Indication (GI) tag from the Union Government.
- Marayoor Jaggery is the traditional and handmade product from Idukki district of Kerala.
- It is made in the sugarcane farms and no chemicals are added during the manufacturing process.
- This Jaggery is manufactured by the farmers, who mostly belong to the Muthuva tribe.
- The peculiar geographical location of Marayoor, which nestles amid the forests of the Western Ghats gives the sugar cane a distinct geographical identity.

Lunar Water

- NASA’s Lunar Reconnaissance Orbiter (LRO) has observed water molecules moving around the dayside of the moon.
- Up until the last decade, scientists thought the Moon was arid, with any water existing mainly as pockets of ice in permanently shaded craters near the poles.
- Recently scientists have identified surface water in sparse populations of molecules bound to the lunar soil, the amount varies based on the time of day.
- This water is more common at higher latitudes and tends to hop around as the surface heats up.
- These results aid in understanding the lunar water cycle and will ultimately help us learn about accessibility of water that can be used by

humans in future missions to the Moon.
- Lunar water can potentially be used by humans to make fuel or to use for radiation shielding or thermal management.

Source: PIB, the Hindu, Economic Times