



drishti

Important Facts for Prelims (18th October 2018)

 drishtiias.com/printpdf/important-facts-for-prelims-18th-october-2018-

Kamikaze Drone

- At its Raising Day function in Manesar, the National Security Guard (NSG) showcased recently acquired unmanned aerial vehicles which also includes Kamikaze Drones.
- A Kamikaze drone is also known by names such as a suicide drone or a loitering munition. A loitering munition is a type of unmanned aerial vehicle designed to engage beyond line-of-sight ground targets with an explosive warhead.
- It is an unmanned aerial vehicle that is designed to self-destruct after serving its purpose.
- It can be effective in room intervention during counter-terrorism operations - a drone breaking in and exploding will involve a lower risk of the casualty than jawans entering physically.
- Kamikaze Drone is built indigenously by an Indian company Vortex UAS.

Deep Submergence Rescue Vehicle-DSRV

- The Indian Navy successfully executed the trials of the newly-inducted rescue vehicle which will now help conduct a rescue mission to bring back personnel from a disabled submarine.
- Apart from rescue missions, they can also be deployed for various other missions like laying cables on the sea bed.
- The DSRV is operated by a crew of three, and can rescue 14 personnel from a disabled submarine at one time.
- DSRVs are transportable by truck, aircraft, ship, or by specially configured attack submarine. It dives, conducts a sonar search, and attaches to the disabled submarine's hatch.
- India has joined a select group of countries that have the capability to locate and rescue "distressed submarines". At present, the US, China, Russia and a few other countries have the capabilities to deploy DSRVs.

- The second DSRV is expected to be inducted at Visakhapatnam in 2019. It has been built by James Fisher & Sons, a United Kingdom company.
- The induction of the DSRV is part of Indian Navy's efforts to enhance operational capabilities when China has been ramping up its maritime presence in critical sea lanes which are of strategic importance to India.

World's Largest Unmanned Transport Drone

- China successfully tested the world's largest unmanned transport drone which can carry a payload of 1.5 tonnes.
- Feihong-98 (FH-98) was adapted from the prototype of the Shifei Y5B, a China-developed transport plane which has been widely used for over 60 years.
- As China's first fully domestically-built transport aircraft, the Shifei Y5B has a history of over 60 years since its first flight in 1957 and has been widely used.