Prelim Bits 05-06-2017

GSLV Mark III

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- GSLV Mk III is a **three-stage heavy lift launch vehicle** developed by ISRO. The vehicle has two solid strap-ons, a core liquid booster and a cryogenic upper stage.
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- GSLV Mk III is designed to carry 4 ton class of satellites into Geosynchronous Transfer Orbit (GTO) of 36,000 km; or about 10 tons to Low Earth Orbit (LEO) of up to 800 km., which is **about twice the capability of GSLV Mk II.**
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- The indigenous GSLV-Mark III will make a bid to breach a heavy-lift rocket club. The U.S., Russia, Europe, China and Japan are already there.
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- The success of the first full flight of Mk III will mean that soon, Indian communication satellites can be lofted into space from within the country.
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- Although **MkIII was approved in 2002** and work on it and its facilities began over the last six to eight years, the most intensive part was during 2014-16.
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Orang Tiger Reserve

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- Orang tiger reserve in Assam with the **smallest core** (78.28 sq. km) among 50 nationally protected areas, has presented wildlife scientists doing a census with a surprise: **a high density of 28 big cats.**
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- Orang Tiger Reserve is the 49th in the country. **Kamlang Tiger Reserve in Arunachal is the 50th and latest to be notified.**
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- Density is calculated based on the number of tigers per 100 sq. km. So, if we

calculate density of tigers for 100 sq. km., it comes to **35.44.** Thus, Orang has the highest density nationally.
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- The density in Kaziranga National Park was 12.72 per 100 sq. km., followed by Jim Corbett National Park (11) in Uttarakhand and Bandipur National Park (10.28) in Karnataka.
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Rashtriya Vayoshri Yojana

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- The Scheme aims at **providing Senior Citizens, belonging to BPL category** and suffering from any of the age related disability/infirmity viz. Low vision, Hearing impairment, Loss of teeth and Locomotor disability, with such **assisted-living devices** which can restore near normalcy in their bodily functions, overcoming the disability/infirmity manifested.
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- The assistive devices shall be of high quality and conforming to the standards laid down by the Bureau of Indian Standards, wherever applicable.
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- Recently, 2383 Aids and Assisted Living Devices were distributed to 1266 Senior Citizens during a Camp on “Rashtriya Vayoshri Yojana” of Ministry of Social Justice and Empowerment.
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