Prelim Bits 19-09-2018

e-Sahaj

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- It is a portal launched by the Ministry of Home Affairs.
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- It will enable individuals and private companies to submit application for security clearances and view its status online.
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- The Home ministry is the nodal authority for granting security clearances in certain sensitive sectors.
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Industrial licensing

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- Recently, the home ministry has got the power to issue industrial licences for defence manufacturing from Department of Industrial Policy & Promotion (DIPP).
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- The defence manufacturing includes electronic aerospace and defence equipment manufacturing.
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- The following are the 5 industries which require compulsory licensing
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1. Arms and ammunition, explosives and allied items of defence equipment,
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2. Defence aircraft and warships,
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3. Narcotics and psychotropic substances,
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4. Hazardous chemicals, distillation and brewing of alcoholic drinks,
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5. Cigarettes/cigars and manufactured tobacco substitutes.
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Space Technology Incubation Centre

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- ISRO has recently launched a space technology incubation centre in Tripura capital Agartala.
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- It is the first of six such centres planned nationally to build capacity in new locations.
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- The Centre was launched at the first edition of ‘Spacetronics’ organised by the India Electronics and Semiconductor Association (IESA).
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- The centre will incubate start-ups which would build applications, offer services and products which can be used internally and expolit global opportunities.
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India and Germany Pact

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- India and Germany have signed a memorandum of agreement (MoA) to focus on the field of dual vocational education and training and skill development.
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- Under the MoA, students who complete specific training courses in India will get a certificate that is recognised in India and in Germany too.
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- These students can apply for jobs in India and also in Germany.
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Akash Missile

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- Akash is an indigenously developed medium-range, surface-to-air missile defence system.
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- DRDO developed Akash as part of the Integrated Guided Missile Development Programme initiated in 1984.
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- It can target aircraft up to 30 km away, at altitudes up to 18,000 m.
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- It consists of Rohini radar that detects incoming aircraft with a range of 120 km.
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- It can intercept fighter jets, cruise missiles as well as ballistic missiles.
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- It soon will get an upgraded variant and Defence Acquisition Council (DAC) gave its procedural approval to the variant.
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- Recently, it was test fired with an indigenous radio frequency seeker.
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- This is the first surface-to-air missile with indigenous seeker that has been test fired.
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- With this success, India has achieved the capability of making any type of surface-to-air missile.
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JUNO

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- NASA’s Juno spacecraft has beamed back an image of a long, brown oval known as a “brown barge”.
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- Brown barge is an elusive atmospheric feature in Jupiter’s South Equatorial Belt.
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- The objective of Juno mission is to measure Jupiter's composition, gravity field, magnetic field, and polar magnetosphere.
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- It completed a close flyby of Jupiter and its Great Red Spot.
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- Jupiter‘s Great Spot is a 16,000-km wide storm monitored since 1830 and possibly existing for more than 350 years.
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- Recently, the spacecraft reached "Perijove", the point at which an orbit comes closest to Jupiter‘s centre.
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Source: PIB, The Hindu, The New Indian Express

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