Prelim Bits 18-11-2019

Child Abuse Prevention and Investigation Unit

- The Central Bureau of Investigation (CBI) has set up an Online Child Sexual Abuse and Exploitation (OCSAE) Prevention/Investigation Unit at its headquarter in New Delhi.
- The unit will function under the CBI's Special Crime Zone.
- The unit's territorial jurisdiction would be throughout the country.
- It will probe offences covered under various provisions of the

1. Indian Penal Code (IPC),
2. Protection of Children from Sexual Offences (POCSO) Act
3. Information Technology (IT) Act, apart from other relevant laws.

- It will collect and disseminate information on online child sexual abuse and exploitation.

Winter-Grade Diesel

- Motorists in high-altitude sectors like Ladakh, Kargil, Kaza and Keylong face the problem of freezing of diesel in their vehicles when winter temperatures drop to as low as -30o Celsius.
- Indian Oil has come up with an innovative solution to this problem by introducing a special winter-grade diesel with a low pour-point of -33 degree Celsius, which does not lose its fluidity function even in extreme winter conditions.
- Winter diesel fuel is also known as winter diesel, alpine diesel, or winterized diesel (AE).
- It refers to diesel fuel enhanced to prevent it from gelling in cold weather conditions.
- In general, it is achieved by treatment with additives that change the low temperature characteristics of the fuel.
- Winter-Grade Diesel will smoothen the travel and transportation in high alpine region and will help in overall economic development.

Ain-i-Akbari

- Ain-i-Akbari is a 16th century document written by Akbar's court historian

Abu'l Fazl in Persian language.
- It deals with the administration of Mughal Emperor Akbar.
- The Akbar Nama is divided into three books:

1. The first book dealt with Akbar’s ancestors.
2. The second recorded the events of Akbar’s reign.
3. The third is the Ain-i Akbari.deals with Akbar’s administration, household, army, the revenues and geography of his empire.

- It provides rich details about the traditions and culture of the people living in India.
- It also got statistical details about crops, yields, prices, wages, and revenues.
- In the early twentieth century, the Akbar Nama was translated into English by Henry Beveridge.

Other Literary Work during Akbar’s Reign

- Muntakhab ul-Tawarikh (also known as Tarikh-i-Bidauni) written by Abdul Qadir Badaoni
- Tabakat-i-Akbari written by Nizamuddin
- Takmila-i-Akbarnama written by Inayatulla
- Sursagar (written in Brij Bhasha) by Sur Das
- Ramcharitmanas (written in Awadhi- eastern hindi dialect) by Sant Tulsi Das

ADMM-Plus

- ASEAN Defense Ministers’ Meeting, ADMM-Plus comprises total 18 nations, it comprises of 10 countries of ASEAN, and eight other countries such as Japan, the US, China, Australia, New Zealand, South Korea, Russia, and India.
- ADMM-Plus is the only official framework of Defense Minister's meetings in the Asia-Pacific Region.
- The ADMM-Plus has become an effective platform for practical cooperation among the participating countries’ defence establishments.

Border Area Development Programme (BADP)

- BADP was started in the year 1986-87 for balanced development of border areas of states bordering Pakistan, namely, Jammu & Kashmir, Punjab, Gujarat, and Rajasthan.
- It was subsequently extended to all the land borders.

- The programme is administered by the Department of Border Management of the Ministry of Home Affairs (MHA).
- States are provided a 100% non-lapsable Special Central Assistance fund under BADP to meet the special developmental needs and well being of the people living in remote and inaccessible areas situated near the international border.
- The programme was amended in 2015 to provide the provision for third party inspection and quality control mechanism under MHA for random inspections of the BADP schemes.
- Recently sisseri River Bridge located at lower Dibang Valley in Arunachal Pradesh was innagurated by Border Roads Organisation (BRO).
- The bridge was under 'Project Brahmank', which is a part of Border Area Development Programme (BADP).

SeeTB

- Indian researchers have developed a small device named SeeTB, to detect Tuberculosis .
- The device can be attached to a simple optical microscope to convert it into a fluorescence microscope, thus enabling better TB diagnosis at the point-of-care.
- It is a battery-operated device and allows quick identification of the bacteria.
- When the performance was compared against GeneXpert, another diagnosis tool that looks for DNA markers of TB bacteria, SeeTB showed improved sensitivity.
- Also, while GeneXpert method takes about two hours, SeeTB can help find the bacteria in about 30 minutes.

Source: PIB, the Hindu

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