

Prelim Bits 22-06-2018

National Health Resource Registry (NHRR)

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- Ministry of Health and Family Welfare has launched NHRR, which is the first ever registry for health resource in the country.
- It contains registry of authentic, standardised and updated geo-spatial data of all public and private healthcare.
- The Indian Space Research Organisation (ISRO) is the project technology partner for providing data security.
- It shall enable advanced research towards ongoing and forthcoming healthcare challenges.
- It shall also enhance the coordination between central and state government for optimisation of health resources.
- The Central Bureau of Health Intelligence (CBHI) has involved key stakeholders, including leading associations, allied ministries, and several private healthcare service providers.

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Centre for Humanitarian Forensics

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- **Gujarat** is set to come up with the world's first International Centre for Humanitarian Forensics (ICHF).
- It will facilitate better management of bodies during emergencies such as disasters.
- It was inaugurated at the Gujarat Forensic Sciences University (GFSU).
- It is a joint venture of the International Committee of the Red Cross (ICRC)

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Regional Delegation for India, Bhutan, Nepal and the Maldives, and GFSU.

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Legalisation of Marijuana

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- Canada is to become the second country in the world to fully legalise marijuana after Uruguay.

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- It paves the way for **recreational cannabis** to be legally bought and sold within the next two or three months.

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- Medical marijuana is already legal in Canada.

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- Marijuana is a psychoactive drug from the Cannabis plant used for medical, recreational & religious purposes.

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- Cannabis can be used by smoking, vaporization, within food, or as an extract.

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- It creates mental and physical effects, such as a "high" or "stoned" feeling, a general change in perception, and an increase in appetite.

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- **Short term side effects** may include a decrease in short-term memory, dry mouth, impaired motor skills, red eyes, and feelings of paranoia or anxiety.

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- **Long term side effects** may include addiction, decreased mental ability and behavioural problems in children whose mothers used cannabis during pregnancy.

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Sub-Saturn like Planet

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- A team of Scientists from India has discovered a sub-Saturn or super-neptune size planet around a sun-like star.

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- It has mass of about 27 Earth Mass and size of 6 Earth Radii.

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- The planet will be known as EPIC 211945201b or K2-236b.

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- With this discovery, India has joined a handful of countries, which have discovered planets around stars beyond our solar system.
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- The discovery was made by measuring the mass of the planet using the indigenously designed “PRL Advance Radial-velocity Abu-sky Search” (PARAS) spectrograph.
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- PARAS is the **first of its kind spectrograph in Asia**, which can measure the mass of a planet going around a star.
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- The spectrograph is integrated with telescope at PRL's Gurushikhar Observatory in Mount Abu, India.
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- Very few spectrographs exist around the world that can do such precise measurements.
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Longer Daylight - Summer Solstice

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- June 21st had longer daylight hours (Summer Solstice) than any other day in a year.
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- The reason behind is Earth's tilt - the axis of rotation of earth is tilted at an angle of 23.5° .
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- It is combined with factors such as Earth's spin and orbit leads to variations in the duration of sunlight on any location on different days of the year.
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- **Solstice** - On the Equator, day and night are equal every day.
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- At latitudes of 23.5° (from the equator) are the Tropics of Cancer and Capricorn, north and south of the Equator.
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- On each Tropic, the sun is directly overhead at noon once a year.
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- When this happens on the Tropic of Cancer, it is **summer solstice** in the northern hemisphere.
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- When on the Tropic of Capricorn, it is **winter solstice** in the northern Hemisphere.
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- At 66.5° (from the equator) are the Arctic and Antarctic Circles, north and south.
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- It is at latitudes higher than 66.5° (in either direction) that days of constant darkness or light occur.
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Source: The Hindu, PIB

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