

## Prelim Bits

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### Panel on changing financial year

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- A government-appointed panel, headed by former chief economic adviser [Shankar Acharya](#), has recommended changing the financial year from the current April to March to the calendar year.

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### China's Remote Sensing Satellite

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- China plans to form a [BeiDou network](#) consisting of 35 satellites for global navigation services by 2020.

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- BeiDou is expected to compete with America's Global Positioning system.

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- China successfully launched a pair of high-resolution remote sensing satellites SuperView-1 01/02 to get commercial images.

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- The satellite is launched on the back of a Long March 2D rocket and they are able to provide commercial images at 0.5-meter resolution.

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### New RBI Deputy Governor

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- The Centre has appointed [Viral V Acharya](#) as a Deputy Governor of the Reserve Bank of India, for a three-year term.

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- As in-charge of monetary policy, he will become a part of the six-member interest-rate setting monetary policy committee.

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## **Black carbon and Brown Carbon**

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- Black Carbon is [inorganic](#) in nature consisting of soot particles that directly come out of combustion processes.

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- Brown Carbon or [organic](#) carbon comes from complex organic reactions in the airborne atmospheric particles. This includes \n

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- Tar materials from smoldering fires or coal combustion.

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- Breakdown products from biomass burning.

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- A mixture of organic compounds emitted from soil and volatile organic compounds given off by vegetation.

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- Both Black carbon and Brown carbon absorbs sunlight and thus in turn warms the atmosphere and when inhaled, causes severe health hazards.

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- Black carbon absorbs light in the visible spectrum whereas Brown carbon is light brown in colour and absorbs light in the ultraviolet region.

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- Brown Carbon leads to the formation of ground level ozone in the atmosphere.

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