

## Latest Science and Technology Current Affairs in PDF

If you are preparing for competitive exams then you will need to address the **General Awareness** and **Current Affairs** section in almost every paper. Questions on latest science and technology developments form an important part of many exams. While science questions from static GK will be asked, you need to be equally ready with more recent science and technology developments, especially those that have been making news the past few months. So here is a list of **science and technology current affairs developments** over the past few months and why they have been in the news. Learn a little bit of trivia about them. Then get ready to answer any and all questions your exams throw at you.

You can download this as pdf as well. It is useful for all competitive exams like **SSC CGL, Railways RRB, IBPS PO, SBI Clerk, LIC AAO** and more!

List Of Scientific and Technological Developments 2015-16		
Discovery/ Development	Country/ Organization	Trivia/ Description
<b>Space Research and Discovery</b>		
High-thrust cryogenic engine CE20	ISRO, India	To be used in heavy launch vehicle GSLV Mk-III.
X-Ray Astronomy satellite ASTRO-H	JAXA, Japan	Japan Aerospace Exploration Agency launched it from Tanegashima Space Centre.
5 new Jupiter-like planets	UK	Exhibit properties similar to Jupiter.
Widest planet system	US, UK, Australia	It has 7,000 astronomical units (AU) width. (Neptune is 30 AU from the Sun)
2 <sup>nd</sup> largest black hole in Milky Way	Keio University Japan	Signs of an invisible black hole with mass $10^5$ times the mass of Sun.
IRNSS 1-E Satellite	ISRO, India	Polar Satellite Launch Vehicle, in its 33 <sup>rd</sup> flight (PSLV C-31) launches the IRNSS 1-E, the next step in the Indian Regional Navigational Satellite System.
Galactoseismology	India	Method to detect dwarf galaxies dominated by dark matter. Also explains ripples on outer disk of galaxy.
Presence of Neon gas in Moon's atmosphere	NASA	NASA spacecraft LADEE (Lunar Atmosphere and Dust Environment Explorer) confirmed the presence of Neon gas in Moon's atmosphere.

EKS Kosmos 2510	Russia	1 <sup>st</sup> satellite having early warning system. Will detect missiles heading towards Russia.
Liquid Water on Mars	NASA	Images by Mars Reconnaissance Orbiter (MRO) show dark, narrow streaks running downhill.
ASTROSAT	ISRO, India	India's 1 <sup>st</sup> dedicated multi wavelength space observatory.
Prandtl-m aircraft	NASA	A glider prototype that would be deployed on Mars for agency's missions.
CR7 Galaxy	Portugal	The brightest galaxy in the early universe, named after Cristiano Ronaldo.
World's largest asteroid impact zone	Australia	Found in Warburton Basin of central Australia.
Kepler 438b and Kepler 442b	USA	2 Earth-like planets spotted by Nasa's Kepler space telescope.
Gravitational Waves Detected	LIGO, US	2 arms of the Laser Interferometer Gravitational-Wave Observatory in the US directly detected gravitational waves predicted by Einstein's General Theory of Relativity. Third arm planned in India.
<b>Defence and Combat</b>		
Dhanush Ballistic Missile	India	It is a naval variant of India's indigenously-developed Prithvi missile. Missile has a strike range of 350km.
INS Astradharini	India	1 <sup>st</sup> indigenously-designed and built torpedo launch and recovery vessel.
INS Kochi	India	Indigenously built largest destroyer warship.
Akash Missile	India	Indigenously-built surface-to-air missile. Strike range of 25km and can carry warheads up to 60kg.
BrahMos Supersonic Cruise Missile	India	Successful 48th test firing of BrahMos. Has a range of 290km and a Mach 2.8 speed.
Akash Weapon System (AWS)	India	Indigenously developed and inducted into the Indian Army.
<b>Health and Medicine</b>		
ZikaVac	Bharat Biotech, India	World's first vaccine for Zika Virus.
BGR-34	India	1 <sup>st</sup> Ayurvedic anti-diabetic drug. BGR is acronym for Blood Glucose Regulator.
Artificial Liver Tissue	India	India's 1 <sup>st</sup> artificial liver tissue using 3-D printing technology.
Mosquirix	UK	World's 1 <sup>st</sup> Malaria vaccine.
Cardiac Microphysiological System (Mini heart)	USA	Mini heart on a microchip using human stem cells. Led by Indian-origin scientist Anurag Mathur.

Treatment for Fungal Keratitis	CCMB Hyderabad, India	A Nano-particle-based drug delivery method to fight Fungal Keratitis
DNA sequencing based blood test	USA	Will help diagnose Ebola & other pathogens.
<b>Science and Technology</b>		
A new kind of 2D semiconducting material	USA	Made of tin & oxygen or tin monoxide (SnO). Material will be used in electronics.
NBeG 47	India	First machine harvestable chickpea variety. To address labour shortage & reduce hard work.
Elements 113, 115, 117 & 118	IUPAC	Added to 7 <sup>th</sup> Row of the Periodic Table by International Union of Pure and Applied Chemistry.
Pruthvi Chip	Saankhya Labs, India	Chip powers a system that can use TV White Space or wasted spectrum bandwidth to beam Internet to scores of households.
Quantum Dot (QD) Spectrometer	USA	Small enough to fit inside a smartphone camera. Spectrometers measure properties of light.
Leap Second 2015	India	30 <sup>th</sup> June 2015 clocked 1 second longer as an extra second was added to the clocks world-wide at 23:59:59.
World's first water-based computer	India-America	Synchronous computer that operates using the unique physics of moving water droplets.
World's first facial recognition ATM	China	ATM will not allow users to withdraw cash unless their face matches their IDs
Edge Web Browser	USA	Announced by Microsoft Claimed to enhance user experience.
<b>Research and Discovery</b>		
Tree frog Ghatixalus magnus	India	Discovered in the high ranges of Idukki district in the Western Ghats of Kerala.
Himalayan Forest Thrush	China	The bird has been named Himalayan forest thrush Zoothera salimalii. The scientific name honors the great Indian ornithologist Salim Ali.
Musa Indandamanensis	India	Sweet banana species. Bananas of this species are very sweet and are eaten by tribal people of the island.
4 new species of Fish; Puntius Nelsoni, Puntius Nigronotus, Systomus Chryseus and Systomus Rufus	India	Four new species of Fish discovered in Kerala.
Butterfly called Banded Tit	India	Tiny butterfly species discovered in forests of Changlang, Arunachal Pradesh.
Snow Leopard	India	Spotted the endangered snow leopards for the 1 <sup>st</sup> time in the North Sikkim Plateau.

New tree frog genus	India	Discovered a new genus of tree hole-breeding frogs in the forests of northeast.
Dracula Ant	India	Discovered by a group of citizen scientists in the Western Ghats region of Kerala.
New species of Giant Tortoise named Chelonoidis donfaustoi	Galapagos islands	Giant tortoises in the Galapagos weigh up to 250kg and live longer than 100 years.
World's longest Continental Volcanic Chain	Australia	Longest chain of continental volcanoes. Stretching almost 2000 km along east coast.
Mount Aso Volcano	Japan	The largest active volcano of Japan. Erupted on 14 September 2015.
New fish species named Puntius Dolichopterus	India	Discovered from a small water stream in Kayamkulam city of Kerala.
1 <sup>st</sup> species of Yeti Crab named Kiwa tyleri	Antarctica	Discovery of the first species of Yeti Crab in Antarctica in the journal PLOS ONE.
Blue whales	India	1 <sup>st</sup> time after 100 years Blue Whales were sighted off the coast of Maharashtra.
New species of fish called Pethia Striata	India	Discovered in the Kudremukh National Park, Karnataka.
Maria Elena South (MES)	Chile	Driest place on the Earth, Atacama Desert in Chile.
New Catfish Species Glyptothorax Senapatiensis	India	New catfish species in the Chindwin river drainage in Senapati district of Manipur.
Opah, world's first fully warm-blooded fish species	US, Australia	Researchers from National Oceanic and Atmospheric Administration discovered world's first fully warm-blooded fish species
New species of Geckos, Cnemaspis Adii	India	Spotted at the ruins of the World Heritage Site of Hampi, Karnataka.
Grey Hypocolius	India	Small passerine bird species and sole member of the genus Hypocolius.
Rare Spiders Martensopoda Sancto and Stenaelurillus Albus	India	The spiders belong to the Sparassidae and Salticidae families.
2 bloom-forming algal species, Ulva Paschima Bast and Cladophora Goensis Bast	India	Discovered off the west coast of India
Endangered forest owl, Athene Blewitti)	India	Species belongs to the typical owls' family, Strigidae that is on the verge of extinction.
World's smallest goanna lizard species	Australia	Named Dampier Peninsula Goanna while its scientific name is Varanus sparnus.
Plant Species Nepenthes Zygon	UK	Growing for almost a decade and helping to keep down cockroaches.

**[Click for more Current Affairs Capsules](#)**



FASTEST WAY TO PREPARE  
**CURRENT AFFAIRS**

