



## Fact Sheet Prep Series Part - 6

### ANSWER KEY WITH EXPLANATION

# CURRENT AFFAIRS

#### 1. Ans. c

**Extra Information** - The MoU was signed between Amar Chitra Katha and the Union Ministry of Urban Development (MoUD) to focus on Swachh Bharat Mission. Under this MoU, Amar Chitra Katha will publish 32-pages comic book carrying messages pertaining to sanitation and solid waste components of Swachh Bharat Mission. It will comprise a series of inspirational stories from the Swachh Bharat mission, cleanliness rankings of cities, public figures, environmental impact and ambassadors. It will also contain stories of individuals and organizations that can inspire children to the concept of Swachhata. Besides, it will also have an interactive workbook of tips and tricks to assist children to clean their own areas. The comic book will be made available in both English and Hindi. It will also include a section about how to organize community cleanliness drives.

Chitra Katha publishes more than 400 comics in 20 languages. It was founded in 1967. Its comic books mainly highlight Indian stories including epics, mythology, history, literature and folktales. So far, Amar Chitra Katha has sold over 100 million copies.

#### 2. Ans. c

**Explan** - The Madhukar Gupta Committee on border protection has submitted its report to the Union Ministry Home Affairs (MHA). The Committee was constituted to suggest recommendations for strengthening border protection and addressing the issue of gaps and vulnerability in border fencing along India-Pakistan Border. It was headed by former Home Secretary Madhukar Gupta.

The committee has examined security mechanisms of all four Indian states sharing border with Pakistan keeping in mind challenges of different climate and topography. It has given separate recommendations for four states

as each of them has different topography and problems. It has flagged gaps and vulnerabilities in border fencing and suggested use of technology and heightened vigil on riverine frontiers. It has expressed displeasure over not installing laser walls in many infiltration-prone areas due to treacherous and marshy terrain. Note: 4 Indian states share 3,323-km-long border with Pakistan. Of this 1,225 km falls in Jammu and Kashmir (including Line of Control), 1,037 km in Rajasthan, 553 km in Punjab and 508 km in Gujarat.

#### 3. Ans. b

**Explan** - The KKNPP is located in Tirunelveli district in Tamil Nadu, around 650 km from Chennai. It is built under India-Russian Nuclear agreement of 1988. KKNPP is India's first nuclear power plant to use imported pressurised water reactor (PWR) technology for generation of electricity. It has VVER (Water-Water Energetic Reactor) type light water reactors. The reactors were built by the NPCIL and Russia's Atomstroyexport Company, a subsidiary of Rosatom. The first unit of KKNPP had attained criticality after it began the fission process in July 2013. Subsequently it was connected to the southern grid in October 2013.

#### 4. Ans. a

**Explan** - LEMOA is another name for Logistics Support Agreement (LSA), an agreement that US has signed with many of its allies. It allows defence forces countries to avail defence logistics support facilities such as fuel, spare parts, mechanics, etc. during joint training, Humanitarian Assistance and Disaster Relief (HADR), and port calls. Besides, it also lays out the procedure for billing for these facilities as part of a larger accounting transaction and details are contained in clarifying protocols annexed to LEMOA.

LEMOA is facilitating agreement that establishes basic



terms, conditions, and procedures for reciprocal provision of Logistic Support, Supplies, and Services (LSSS). LSSS include food, billeting, water, medical services, transportation, petroleum, oils, lubricants, clothing, communication services, storage services, training services, spare parts and components, repair and maintenance services and port services.

LEMOA does not create any obligations on either Party to carry out any joint activity. It does not provide for the establishment of any bases or basing arrangements. It will significantly help to enhance the operational capacity of the Indian Armed Forces, including in their response to humanitarian crises or disaster relief.

**5. Ans. d**

**Extra Information** - These agreements were signed after delegation level talks between Prime Minister Narendra Modi and his visiting counterpart President of Myanmar U Htin Kyaw in New Delhi. He is the first democratically elected President of Myanmar to visit India.

**6. Ans. c**

**Explan** - The test was conducted from Satish Dhawan Space Centre, Sriharikotta in Andhra Pradesh and has successfully met all the intended parameters.

Wheeler Island renamed as Abdul Kalam Island. The scramjet engine works on the Air-breathing Propulsion System. The system uses natural oxygen present in the atmosphere to burn the fuel stored in the rocket. It reduces the amount of oxidiser to be carried along with the fuel, bringing down launch costs. This system would help in reducing the lift-off mass of the vehicle as there will be no need of carrying liquefied oxygen on board the vehicle. In turn help in increasing the energy efficiency of the rocket and also make it cost-effective. Scramjet does not have rotating parts so the chances of failure are also measurably reduced. Currently, ISRO uses rocket launch vehicles like the PSLV to deliver satellites into orbit. But PSLVs are expendable i.e. it can only be used once.

**7. Ans. c**

**Related Information** - The unmanned Juno spacecraft launched on August 5, 2011, from Florida, US. It had arrived at Jupiter on July 4, 2016. Juno is the first solar-powered mission designed by NASA to see beneath Jupiter's clouds. It had travelled 2.7 billion kilometres since its launch to reach Jupiter. It has nine instruments on board to study atmosphere, gravity, magnetic field and possible existence of solid core in Jupiter. Juno will also map Jupiter's gravity and magnetic fields and also track how much water is present in the atmosphere. It will have mission life of 20 months from July 2016 to Feb 2018. In its mission life, the spacecraft will circle

the Jupiter 37 times before finally making a death plunge in 2018 in order to avoid accidentally crashing onto one of the planet's moons.

**8. Ans. d**

**Extra Information** - Indian President Pranab Mukherjee night re-promulgated an Ordinance to amend the Enemy Property Act. Eviction of Unauthorized Occupants Act of 1971 pending ratification by Rajya Sabha. The Bill declares transfer of enemy property by the enemy, conducted under the Act, to be void. This applies retrospectively to transfers that have occurred before or after 1968.

**9. Ans. c**

**Related Information** - Automobile manufacturers Mahindra & Mahindra Ltd (M&M) has introduced DiGiSENSE, a cloud based technology solution to track vehicle information in real time. With this, Mahindra has become the first OEM (original equipment manufacturer) in India to integrate its product line-up onto a cloud-based technology platform. DiGiSENSE by its digital-enabled sensing connects Mahindra range of pick up vehicles, tractors, trucks and construction equipment to the cloud. It will enable vehicle owners to have complete information on the location and usage their assets round-the-clock on their mobile phones. This inbuilt technology solution has been jointly developed in India in association with Tech Mahindra, Bosch India and Vodafone. DiGiSENSE allows vehicle owner to monitor the performance and location of vehicles, including the quantity of fuel used by the vehicles on real time basis. The key features include delivery tracking and route planning, vehicle utilisation reports, trip optimisation, alerts and machine hour operations and ge-fencing to prevent unauthorised use of the asset and theft.

**10. Ans. c**

**Related Information** - It will be going live with 21 banks in the first phase. Unified Payments Interface (UPI) is a flagship product of NPCI that will help India to move towards a cashless economy. It is a set of standard Application Programming Interface (APIs).

**11. Ans. b**

**Related Information** - The detection was made by scientists from the National Research Institute for Earth Science and Disaster Prevention in Japan. The rare deep-Earth tremor S wave microseism was detected for the first time and traced its location to a distant and powerful storm. The storm in the North Atlantic known as a weather bomb which was a small but potent storm that gains punch as pressure quickly mounts. During the storm, groups of waves had sloshed and pounded the ocean floor which struck between Greenland and



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Iceland. Using seismic equipment on land and on the seafloor researchers found a tremor known as an S wave microseism. S wave Microseisms are very faint tremors compared to P (primary) wave microseisms and they occur in the 0.05 to 0.5 Hz frequency range. P wave microseisms can be detected easily during major hurricanes. They are fast-moving waves and can travel through gaseous, liquid and solid materials. But the elusive S waves are slower and move only through solid rock, not liquid. Humans feel them during earthquakes. Significance of Discovery: It will help experts learn more about the Earth's inner structure and improve detection of earthquakes and oceanic storms. Learning more about S waves microseismic will further aid to understand the deeper crust and upper mantle structure.

**12. Ans. d**

**Extra Information** - The eBox is incorporated in the home page of National Commission for Protection of Child Rights (NCPCR) website <http://ncpcr.gov.in/>. The user can lodge a complaint by pressing the arrow on this page which navigates to another page where he/she has to select at least one picture option (describing the category of harassment). User also needs to fill the form with details such as e-mail, mobile number and description of the harassment in order register complaint.

**13. Ans. b**

**Explan** - NRLM-Aajeevika was launched by the Union Ministry of Rural Development in June 2011. In November 2015, it was renamed Deen Dayal Antayodaya Yojana (DAY-NRLM).

**14. Ans. c**

**Explan** - Allows ethical surrogacy for all infertile Indian married couple in the country. The law will apply to whole of India, except the state of Jammu and Kashmir. All Assisted Reproductive Technology (ART) clinics will be registered. Ban unethical commercial surrogacy and also sale and purchase of human embryo and gametes. Allows ethical surrogacy (i.e. altruistic surrogacy) to needy infertile couples on fulfilment of certain conditions. Control unethical practices in surrogacy, prevent commercialization of surrogacy. Prohibit potential exploitation of surrogate mothers and children born through surrogacy. It bars foreigners, homosexual couples, and people in live in relationships and single individuals to have babies through surrogacy.

**15. Ans. b**

**Explan** - Akashvani Maitree Channel is an initiative of Kolkata Akashvani Kendra. It will provide a platform for blending content both from India and Bangladesh and preserving Bengali culture. The channel will be

broadcasted from a state-of-the-art brand new high power 1000Kw DRM (Digital Radio Mondiale) transmitter in Chinsurah (West Bengal). It has capacity to reach the entire length and breadth of Bangladesh through medium wave and will be also available globally on its website and mobile app for Bengali Diaspora. The concept of the Akashvani Maitree Channel emanates from the decision taken during the visit of Prime Minister Narendra Modi to Bangladesh. Both sides had agreed to share content among their broadcasting organisations in order to broadcast a mix of news and cultural programming.

The All India Radio (AIR) during the Bangladesh Liberation Movement in 1971 had launched Akashvani Maitree, a Bangla radio service. The channel had played a historic role during the Bangladesh liberation movement. However, it was discontinued in 2010.

**16. Ans. a**

**Explan** - The LCI is a non-statutory and non-constitutional body constituted by the Union Government from time to time. Union Government had constituted 21st LCI for period of 3 years with effect from 1 September 2015 to 31 August 2018. Former Supreme Court (SC) judge Justice Balbir Singh Chauhan is Chairman of the commission. The mandate of the 21st LCI is to give major recommendations on a review of the Indian Penal Code (IPC), the criminal justice system and the bail law in order to ensure uniformity in the procedure of granting the relief. It will also give recommendations on viability of the Uniform Civil Code and repealing of obsolete laws.

**17. Ans. d**

**Extra Information** - The meeting had dedicated sessions on employment generation, social security, inclusive development and formalization. Fruitful discussions on areas of common labour and employment issues among the BRICS countries were held. Member countries proposed strong interventions and actions in areas concerning social security, employment generation and formalization of labour markets leading to inclusive and sustainable development. They also agreed to pursue bi-lateral social security agreements amongst the BRICS member states. They also acknowledged the need to develop a network of lead labour research and training institutions in BRICS member states.

**18. Ans. c**

**Related Information** - The Project SAKSHAM will help in Integration of CBEC IT systems with the Goods and Services Tax Network (GSTN). Extension of Indian Customs Single Window Interface for Facilitating Trade (SWIFT); other taxpayer-friendly initiatives under Digital



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India and Ease of Doing Business of CBEC.

**19. Ans. d**

**Extra Information** - Key outcomes of the WHO study - Air pollution caused by fine particulate matter is the world's biggest environmental risk to health and it must be addressed on a priority basis as it continues to rise. It could have killed at least 600,000 Indians in 2012 just behind China which witnessed an estimated 800,000 deaths due to air pollution. The impact of fine PM<sub>2.5</sub> is felt through a broad spectrum of acute and chronic illnesses that cause premature death. These include lung cancer, chronic obstructive pulmonary disease (COPD) and cardiovascular diseases. PM pollution is an environmental health problem that affects people worldwide, but low- and middle-income countries disproportionately experience the burden. While all regions of the world are affected by the PM air pollution but the populations in low-income cities are the most impacted. Overall, 98% of cities in low- and middle income countries with more than 100,000 inhabitants do not meet 10µg/m<sup>3</sup> WHO air quality standard of PM 2.5. However, in high-income countries, this percentage decreases to 56%.

**20. Ans. d**

**Extra Information** - The World Bank is an international financial institution that provides loans to developing countries for capital programs. It comprises two institutions: the International Bank for Reconstruction and Development (IBRD), and the International Development Association (IDA). Formation: July 1944. Headquarters: Washington DC, United States. Motto: Working for a World Free of Poverty. Membership: 189 countries (IBRD), 173 countries (IDA). The World Bank is one of the five components of the World Bank Group, which is part of the United Nations system.

**21. Ans. a**

**Explan** - Among the eight satellites launched, three satellites were from India, three from Algeria and one each from Canada and United States. SCATSAT-1 satellite of India weighing 371 kg was the primary payload and remaining other seven customer satellites were secondary payloads (5 foreign and 2 domestic satellites) weighing 304 kg in total.

**SCATSAT-1 Satellite:** It is weather satellite that was placed in polar sun synchronous orbit of 730 kilometer height. It will provide weather forecasting services meant for ocean and weather forecasts, cyclone detection and tracking through wind-vector products. It will have life of five years.

**Pratham:** It is a 10-kg satellite developed by students from Indian Institute of Technology (IIT), Bombay. It will be used to study the total electron count in space with a resolution of 1km x 1km location grid. PISAT: It

is a 5.25-kg satellite made by students of Bangalore's PES University. It will take pictures of earth for remote sensing applications.

**Three Algerian Satellites:** Alsat-1B (103 kg), Alsat-2B (110 kg) and Alsat Nano (7 kg). They will be used for remote sensing, earth observation, and technology demonstration. Pathfinder-1: It is US satellite owned by Black Sky. It weighs 44 kg and has a high resolution imaging microsatellite. NLS-19: It is Canadian satellite developed by University of Toronto. It is a nano-satellite weighing 8 kg. It will be used for experiments for reducing space debris.

**22. Ans. b**

**Explan** - India's largest civilian research and development agency Council of Scientific and Industrial Research (CSIR) celebrated its platinum jubilee. The platinum jubilee celebrations were inaugurated by the Prime Minister Narendra Modi who is also the President of CSIR. It became operational on 26 September 1942. It is mainly funded by the Union Ministry of Science and Technology. CSIR's R&D activities include aerospace engineering, ocean sciences, structural engineering, metallurgy, life sciences, chemicals, mining, food, petroleum, leather, and environment.

**23. Ans. c**

**Extra Information** - The resolution has welcomed progress made towards universalization of the Treaty with 14 votes in favour of it and one abstention (Egypt). The CTBT bans all nuclear explosions for both civilian and military purposes. It was adopted by the UNGA under resolution 50 (1996). The Treaty will enter into force 180 days after the date of deposit of the instruments of ratification by all. So far, 183 countries have signed the CTBT and 166 States have deposited their instruments of ratification. The treaty already has a network of monitoring stations but does not have power to go on site to inspect for tests until it enters into force. But for that, the holdouts among the 44 countries that are designated nuclear capable, the United States, Egypt, China, India, Israel, Iran, North Korea and Pakistan must ratify it.

**24. Ans. d**

**Related Information** - Construction of dams and barrages which hinders the natural flow of the rivers is the main reason considered for decline in the population of Gangetic river dolphin. Besides, pollution and lack of awareness also causes decline in their population. Loss of habitat due to increased developmental work, depletion of prey base, accidental mortality in fishing nets and accidents with vessel propellers is also some anthropogenic threats. The ships' noise-levels also disrupt the ability to navigate and find prey. Importance of National Waterways (NW) projects India has a huge



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untapped potential of inland waterways. To tap this potential the Central Government has planned to develop National Waterway 1, World Bank-aided 1600-km waterway project in River Ganga between Allahabad and Haldia for inland transportation. It has potential to emerge as the logistics artery for northern India and improve navigability of the River Ganga as it passes through Uttar Pradesh, Bihar, Jharkhand and West Bengal.

25. Ans. a

**Explan** - The world's largest solar power plant with an installed capacity of 648MW was commissioned at Kamudhi in Ramanathapuram district of Tamil Nadu. The plant was set up on an area of around 5,000 acres by Adani Group at a total cost of Rs 4,550 crore.

26. Ans. b

**Explan** - It is the state animal of West Bengal. They live foremost in the vicinity of wetlands, along rivers, streams, oxbow lakes, in swamps and mangroves. Threat: Destruction of wetlands and over-exploitation of local fish stocks.

27. Ans. b

**Explan** - Rashtriya Ekta Diwas (National Unity Day) is observed across India on 31 October to commemorate birth anniversary of Independent India's first Deputy Prime Minister Sardar Vallabhai Patel. Observance of the day provides an opportunity to re-affirm inherent strength and resilience of our nation to withstand actual and potential threats to unity, integrity and security of our country. To mark this occasion various activities and events are being organised across ministries and departments all over the country. Besides, Run for Unity was organised in New Delhi. The idea of Rashtriya Ekta Diwas was mooted by PM Narendra Modi in October 2014 to mark the birth anniversary of country's first Home Minister Sardar Vallabhbhai Patel.

28. Ans. a

**Explan** - The first meeting of National Committee on Trade Facilitation (NCTF) was held in New Delhi to discuss ways for developing roadmap for implementation of WTO's trade facilitation agreement. It was headed by Cabinet Secretary P K Sinha. What is National Committee on Trade Facilitation (NCTF)? The NCTF is a mandatory requirement under the WTO's Trade Facilitation Agreement (TFA). It aims to develop the pan-India road map for trade facilitation. It will have three tier structures with main national committee for monitoring implementation of TFA. What is Trade Facilitation Agreement (TFA)? TFA is the WTO's first-ever multilateral accord that contains provisions for expediting the movement, clearance and release of goods, including goods in transit. It also sets out measures for effective cooperation between customs and other appropriate

authorities on trade facilitation and customs compliance issues.

29. Ans. d

**Extra Information** - Earlier, India was denied access to the missile technology with range over 300 km as it was not member state of the Missile Technology Control Regime (MTCR). But India's recent accession to MTCR, allowed Russia to provide the critical systems and technology to extend the range of the missile beyond 300km. India and Russia had teamed up to develop the BrahMos missile in 1998. It is based on the Russian Yakhont anti-ship missile. Its range was limited to 290 km as Russia was a member of MTCR but India was not. Due to restrictions under MTCR, Russia was not able provide the critical systems of the missile to increase its range.

30. Ans. c

**Extra Information** - It was declared after landmark international agreement among 24 countries and European Union in Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR) meeting in Hobart, Australia. The Ross Sea is one of the last intact marine ecosystems in the world. It covers 1.6 million square kilometers. MPA status to Ross Sea will bring blanket ban on commercial fishing across about three quarters of its area for 35 years. Ross Sea in the Southern Ocean is home to 38% of the world's Adelie penguins, 30% of world's Antarctic petrels and around 6% of world's population of Antarctic minke whales. It is also home to huge numbers of krill, a staple food for species including whales and seals. The CCAMLR was established by international convention in 1982 with the objective of conserving Antarctic marine life. It is part of the Antarctic Treaty System. It was signed by 14 states and has been ratified by 35 states (including India) and the European Community.

31. Ans. a

**Explan** - The new rules issued by RBI aims at boosting innovation and promoting job creation in the country. It will apply to startups looking to raise foreign borrowings and restrictions on such funds will be kept minimum.

Any money borrowed from foreign sources for financing the commercial activities in India are called ECBs. The Central Government permits ECBs as a source of finance for Indian Corporates for expansion of existing capacity as well as for fresh investment. Thus, ECBs are defined as money borrowed from foreign resources including the following: (i) Commercial bank loans (ii) Buyers' credit and suppliers' credit (iii) Securitised instruments such as Floating Rate Notes and Fixed Rate Bonds etc. (iv) Credit from official export credit agencies and commercial borrowings from the private sector window



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of Multilateral Financial Institutions such as World Bank, ADB, AFIC, CDC, etc.

**32. Ans. d**

**33. Ans. d**

**Explan** - Avian influenza, commonly called bird flu is an infectious viral disease of birds. Thus, it is zoonotic disease. It is an infectious viral disease of birds and can sometimes spread to domestic poultry and cause large-scale outbreaks of serious disease. Most avian influenza viruses do not infect humans. There is no evidence that the disease can be spread to people through properly cooked food. However A(H7N9) and A(H5N1) virus strains have caused serious infections in people. The infections in humans have been associated with direct or indirect contact with infected live or dead poultry.

Bird flu symptoms in Humans: Fever, sore throat, cough, muscle, and body aches, nausea. It can lead to pneumonia, severe breathing problems and acute respiratory distress syndrome.

**34. Ans. a**

**Explan** - About Biotech-KISAN (Krishi Innovation Science Application Network) Scheme-Its purpose is to connect farmers, scientist and science institution across country. Under it, fellowship will be given to women farmers for training and education in farm practice. Under it scientists will spend time on farms and link communication tools to soil, water seed and market. The main aim of the scheme is to understand individual problems of the small holding farmers and provide ready solutions. It will be implemented in 15 agro-climatic zones of India in phased manner with objective of linking new technology to farm by understanding problem of local farmer.

**About Cattle Genomics Scheme** - The scheme aims at boosting selective breeding of the native livestock more accurately to ensure high-yielding, disease-resistant, resilient livestock. Under it, government will undertake an ambitious project of genome sequencing of 40 registered indigenous cattle breeds of India. Besides, a high-density DNA chips will be developed under this scheme to reduce the cost and time interval of breeding of the native livestock. Genome selection will use information on variations in DNA sequences between animals to predict the breeding value more accurately. Thus, help to transform livestock breeding.

**35. Ans. b**

**Explan** - The Union had appointed the committee under the Chairmanship of retired Chief Justice of Patna High Court L Narasimha Reddy in December 2015. It was tasked to look into the anomalies arising out of implementation of OROP. The committee had held hearings at around 20 cities and towns across the country

and interacted with cross sections of ex-servicemen as well as their associations. It also had received 704 representations from individuals and various ex-servicemen associations and had held extensive interactions with all stakeholders.

**36. Ans. a**

**Explan** - With this, Jammu and Kashmir has surpassed Kerala which used to be the leader in life expectancy in almost all categories of age till 2010. What is data about? RGI's Sample Registration System (SRS) had published state level life expectancy data prepared following surveys done between 2010 and 2014. The data was released for different ages: 0 (at birth), 1, 5, 10, 20, 30, 40, 50, 60 and 70. It had defined life expectancy as estimate of average number of additional years that a person of a given age can expect to live. However this statistical system was confined only to 21 bigger states and UTs and it did not produce life expectancy numbers on 15 small states and UTs such as Arunachal Pradesh, Lakshadweep. The data shows that Kerala still has the highest overall life expectancy at birth at 74.9 years. It is 72 for men and 77.8 for women.

**37. Ans. d**

**Related Information** - Top 5 Countries in 2016 Report: Iceland (1st), Finland (2nd), Norway (3rd), Sweden (4th) and Rwanda (5th). In this edition India has overtaken China which is ranked 99th. The improvement in India's ranking is driven largely by major improvements in education, where it has managed to close its gap entirely in primary and secondary education. In case of education attainment, India has made considerable strides moving up from 125th rank in 2015 to 113th in 2016. On economic participation and opportunity too, India has moved up to 136th rank in 2016, from 139th in the year 2015. On health and survival, India has made little progress moving up by one place to 142nd rank compared to 141st in 2015. On political empowerment, India continues to be ranked 9th in the world. Overall Global Facts: The global march towards parity in key economic pillar has slowed down dramatically. This gap stands at 59% which is now larger than at any point since 2008.

**38. Ans. b**

**Explan** - Central Government has invited the views of general public and stakeholders on the report on the Report of the Financial Redressal Agency latest by 31st January 2017. The concept of Financial Redressal Agency (FRA) was introduced in the Budget Speech of 2015-16 by Shri Arun Jaitley from the recommendations of the Financial Sector Legislative Reforms Commission (FSLRC) of 2013. The role defined for FRA is to address the grievances of retail consumers against all Financial Service Providers (FSPs).

**39. Ans. d**

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**Extra Information** - This is the worst die-off ever recorded in Great Barrier Reef and also the largest ever recorded anywhere. However, the central and southern sections of the reef are fared far better, with only 6% and 1% of the coral dead, respectively. Coral reefs result from the natural work of little polyps (few millimeters long) is budded on top of one another. They are the most biologically diverse ecosystems of the planet.

40. Ans. a

**Explan** - The 207-km-long cycle highway runs between Etawah and Agra. It was inaugurated by state Chief Minister Akhilesh Yadav. The cycle highway has been constructed by the UP public works department. It runs parallel to the main highway. It is about 7-feet-wide and is separated by a divider from main highway which ensures the safety of cyclists.

41. Ans. d

**Extra Information** - The app was developed by Nation Information Centre (NIC). It has been developed on Android and iOS platforms. It was launched as part of the Digital India initiative aimed at the safety and security of the citizen anytime anywhere. The app provides the names of the police stations, distance from the place where you are and how much time it will take to reach police station one wants to go to. It provides the police station number, number of control room and also the SP office number. However, no mobile phones numbers are provided. It also promotes facility to "Tap to Call" any of these police stations and know the route and road distance to reach there.

42. Ans. c

**Explan** - This decision was taken by a WHO's technical working group on draft working definitions of substandard/spurious/false-labelled/falsified/counterfeit (SSFFC) medical products. It settles longstanding India, EU medicine dispute and battle about labelling of drugs. It is considered as a significant victory for the global access to medicines campaign. What is the issue? The above mentioned terms were used interchangeably to confiscate Indian made cheap generic drugs exported to other countries by showing that they were in violation of Intellectual Property Rights (IPR).

43. Ans. b

**Explan** - The Union Ministry of Social Justice and Empowerment (MSJE) is the nodal Ministry for the celebration of Constitution Day. This year it is second edition of the Constitution Day. On this occasion Prime Minister Narendra has released two books on Constitution 'Making of Constitution' and 'New Version of Constitution of India'. The Indian Constitution is a core legal document which has nearly 448 articles or provisions in 25 parts, 12 schedules. It is living fundamental document which makes the government system work effectively.

44. Ans. c

**Extra Information** - LCU L-57 is fully designed in-house by GRSE. It is designed for a maximum speed of 15 knots with an endurance of more than 1,500 nautical miles. It can be deployed for multirole activities like beaching operations, humanitarian and disaster relief operations and evacuation from distant islands. It will be extremely useful for joint operations carried out by the Indian Navy and Indian Army for ensuring maritime security and protection of remote islands. It is best suited for protection of India's island territories of Lakshadweep islands in the Arabian Sea as well as Andaman and Nicobar in the Bay of Bengal.

45. Ans. b

**Explan** - In 1759, the Nicobar Islands were made a Danish colony, first named New Denmark and later as Frederick's Islands.

46. Ans. d

**Extra Information** - It can work even on basic phones as it supports USSD payments. It has mobile wallet facility in which money can be loaded. Using it anyone can directly connect their phone to bank account like a debit card. The app also allows user to scan a QR code. The merchant can also generate his QR code through the app. Payment can be done through scanning QR code. Merchants can also use the BHIM app to receive money from a smartphone or Aadhaar Pay if customer has linked a bank account and Aadhaar ID. Payments through this app are happening directly from and to bank accounts, so merchants don't have to worry about transferring wallet earnings to the bank account. All major UPI connected Indian banks accepts money through BHIM app. Even banks not connected to UPI can receive money through BHIM through IFSC assigned to banks.

47. Ans. b

**Explan** - It was launched by Prime Minister Narendra Modi in May 2016 from Balia, Uttar Pradesh. PMUY is the first welfare scheme being implemented by the Union Ministry of Petroleum and Natural Gas. It seeks to empower women and protect their health by shifting them from traditional cooking based on unclean cooking fuels or fossil fuels to clean cooking gas. It is being implemented over three years' time frame i.e. in the FY 2016-17, 2017-18 and 2018-19 with budgetary allocation of allocated Rs, 8,000 crore announced in the Union Budget 2016.

48. Ans. c

**Explan** - Allows industries to pay wages to workers earning up to Rs. 18,000 per month, without taking their explicit consent as required under present Act. Empowers the Union and State governments to specify industries or establishments where wage payments can be made mandatory through banks. However, it is not mandatory for employers to make wage payments through the banking system and they can still pay in cash.

**Article 123 of Constitution:** It gives legislative power

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to President. He can issue ordinances when Parliament is not in session (i.e. recess) if there is urgent need to have a law on some urgent public matter. The promulgated ordinance has similar effect to an act of parliament. However, every ordinance must be laid and approved by both houses of the parliament within 6 weeks from the reassembling. If not placed and approved by both houses of the parliament after reassembling it lapses or becomes invalid.

**49. Ans. d**

**Extra Information** - Its objective is to build on and leverage achievements of two complementary programmes – Swachh Bharat Mission (SBM) and Kayakalp. Under it, financial assistance of 10 lakh rupees will be given to the community health centres so that they can be strengthened to meet the standards of sanitation, hygiene and infection control.

Along with this, Union Health Minister J P Nadda and Union HRD Minister Prakash Javadekar also jointly launched a booklet- Healthy Children Healthy India. The booklet contains tips on leading a healthy life for children.

**50. Ans. a**

**Extra Information** - These satellites were launched on-board of Long March 2D rocket from the Taiyuan Satellite Launch Centre in Shanxi Province. They will provide commercial images at 0.5-meter resolution.

**Director : Ms. Akhtar J. Khan**

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