

## ANSWERS TEST – 4: CURRENT AFFAIRS - I

### 1. Solution: (b)

Sendai Framework for Disaster Risk Reduction (SFDRR) 2015-30:

- SFDRR is an international Treaty that was approved by UN member states in March 2015 at the Third World Conference on Disaster Risk Reduction held in Sendai, Japan.
- It is a voluntary and non-binding treaty which recognizes that the UN member State has the primary role to reduce disaster risk. It has framework for 15-year i.e. 2015 to 2030.
- It calls for sharing the responsibility with other stakeholders including local government, the private sector and other stakeholders.
- It is successor of the Hyogo Framework for Action (2005–2015), which had been the most encompassing international accord on disaster risk reduction.
- It sets of common standards, a comprehensive framework with achievable targets, and a legally-based instrument for disaster risk reduction.
- Four specific priorities of Sendai Framework: (i) Understanding disaster risk (ii) Strengthening disaster risk governance to manage disaster risk (iii) Investing in disaster risk reduction for resilience (iv) Enhancing disaster preparedness for effective response and recovery, reconstruction and rehabilitation.

### 2. Solution: (a)

- Combustible ice is a frozen mixture of water and concentrated natural gas. Technically known as methane hydrate, it can be lit on fire in its frozen state.
- It is believed to comprise one of the world's most abundant fossil fuels.

### 3. Solution: (c)

VAJRA (Visiting Advanced Joint Research) Faculty scheme:

- Department of Science and Technology has launched VAJRA (Visiting Advanced Joint Research) Faculty scheme that enables NRIs and overseas scientific community to participate and contribute to research and development in India.
- It would be launched by the Department of Science and Technology.
- The Science and Engineering Research Board (SERB), a statutory body of the Department of Science and Technology will implement the Scheme.

- Under this scheme, foreign researchers abroad of Indian origin or otherwise can collaborate with faculties in public funded Indian institutions. The researchers would receive endowments at par with those in their own countries.
- They would be given USD 15,000 in the first month of residency and USD 10,000, for the remaining months.

### 4. Solution: (d)

The Surrogacy (Regulation) Bill, 2016:

- Regulate practices in ethical surrogacy in the country and prohibits commercial surrogacy including sale and purchase of human embryo and gametes.
- Calls for establishment National Surrogacy Board (NSB) at the central level and State Surrogacy Boards (SSB) and Appropriate Authorities in States/Union Territories.
- Allows ethical surrogacy for all infertile Indian married couple in the country.
- Protects rights of surrogate mother and children born out of surrogacy.
- The law will apply to whole of India, except the state of Jammu and Kashmir.
- All Assisted Reproductive Technology (ART) clinics will be registered.

### 5. Solution: (b)

Recently, Administered Price Mechanism (APM) for petrol and diesel were dismantled by the government.

The Narasimha Rao government had set up a "R Committee" (R for Reforms) under Vijay Kelkar to plot a blueprint for dismantling Administered Price Mechanism.

India lifted price control on diesel in 2014 and on petrol in 2010 allowing state companies to charge market prices. At present, state companies review prices at the end of every fortnight depending on the prevailing international prices.

From now on, the daily sales at all the petrol pumps would be linked to the international prices of crude oil.

### 6. Solution: (d)

### 7. Solution: (b)

- NITI Aayog has launched SATH- 'Sustainable Action for Transforming Human capital' with the State Governments for furthering the agenda of cooperative federalism.

- NITI Aayog under the SATH initiative plans to identify and build three futures 'role model' states for health systems.
- It will help in designing a robust roadmap, develop a program governance structure, establish monitoring and tracking mechanisms, and provide support to the state institutions to achieve the end objectives.
- SATH program will be implemented by NITI Aayog along with McKinsey & Company and IPE Global consortium.

**8. Solution: (c)**

**9. Solution: (d)**

India has ratified two key ILO conventions on child labour: the Minimum Age Convention (No 138) and the Worst Forms of Child Labour Convention (No 182).

The ratification is a step ahead in the direction of achieving the goal of eradication of child labour as it would be legally binding to comply with the provisions of the Conventions.

**10. Solution: (d)**

The Agaria are a Muslim community found in the state of Gujarat in India.

**11. Solution: (c)**

The Representation of the People Act and the FCRA bar political parties from receiving foreign funds.

**12. Solution: (c)**

The overarching vision of Pradhan Mantri Krishi Sinchai Yojana (PMKSY) is to ensure access to some means of protective irrigation to all agricultural farms in the country, to produce 'per drop more crop', thus bringing much desired rural prosperity.

**13. Solution: (a)**

- Section 139AA inserted in the Income Tax Act: Makes Aadhaar mandatory for getting a PAN.
- Possession of an Aadhaar card is necessary for the continuing validity of an existing PAN and for filing returns under the income tax law.

**14. Solution: (d)**

- The Asian Infrastructure Investment Bank (AIIB) has recently approved the membership of Argentina, the Republic of Madagascar and the Kingdom of Tonga at its 2nd annual meeting of Board of Governors in Jeju, South Korea, June 16, 2017.
- The three prospective members will officially join the AIIB once they complete the required

domestic processes and deposit the first instalment of capital with the bank.

- The 2017 AIIB annual meeting was held under the theme of "Sustainable Infrastructure," seeking strategic directions of the international infrastructure bank and making major decisions on the bank's management.

**15. Solution: (a)**

Cartosat-2:

- Cartosat-2 satellite is like the earlier Cartosat-2, 2A and 2B. It will be placed a 505-km polar Sun Synchronous Orbit (SSO).
- It will be used for detailed mapping and other cartographic applications as well as applications in Land Information System (LIS) and Geographical Information System (GIS).
- The images sent by Cartosat-2 will be used for drawing maps, urban and rural applications, coastal land use and regulation, road network monitoring and water distribution.

**16. Solution: (a)**

Global Entrepreneurship Summit (GES):

- The summit will promote economic growth, inclusion and opportunities among entrepreneurs from across the world, with a special focus on emerging nations from Africa and Asia.
- The GES is a personal initiative of US President Barack Obama to bring entrepreneurs from across the globe on one platform.
- The 2017 Global Entrepreneurship Summit (GES) will be hosted by India.

**17. Solution: (a)**

- India recently signed International Expedited Traveller Initiative Programme with the United States.
- Also called as Global Entry Programme, this scheme will allow expedited entry into the US to low-risk travellers from India, with India making a formal entry into an American initiative.
- The move would facilitate closer business and educational ties between the citizens of India and the U.S.

**18. Solution: (c)**

- Sachin Tendulkar has joined UNICEF's 'Super Dads' campaign that highlights the critical role played by fathers in children's early development.

- The campaign features stars from the world of entertainment and sport including David Beckham, Novak Djokovic, Mahershala Ali, Lewis Hamilton and Hugh Jackman. The UNICEF campaign will celebrate Father's Day and highlights the importance of love, play, protection and good nutrition for the healthy development of young children's brains.
- The heart-warming videos and photos of celebrity dads in the campaign will be coupled with stories of super dads from across the world, including those who are doing their best to raise their children in extremely difficult circumstances.

### 19. Solution: (b)

- The high-level UN Conference to Support the Implementation of Sustainable Development Goal 14 (or UN Ocean Conference) will be co-hosted by the Governments of Fiji and Sweden at the United Nations Headquarters in New York, United States from 5 to 9 June 2017 to conserve and sustainably use the oceans, seas and marine resources for sustainable development.
- The theme of the Conference is 'Our Oceans, Our Future: partnering for the implementation of Sustainable Development Goal 14'.

### 20. Solution: (c)

### 21. Solution: (b)

- India's first 'freight village' will be developed by the Inland Waterways Authority of India (IWAI) in Varanasi, Uttar Pradesh. The freight village, a one-of-its-kind infrastructure platform, will attract companies that require logistics services and can cluster to improve their competitiveness.
- This will allow relocation of retailers, warehouse operators and logistics service providers supplying the regional FMCG market.
- The facility will come around the proposed multi-modal terminal adjacent to the city on the banks of the Ganga.

### 22. Solution: (b)

- The National Assessment and Accreditation Council (NAAC) of India has won prestigious International Award of Asia Pacific Quality Network (APQN) titled "APQN Quality Award 2017 for International Co-operation in Quality Assurance" in Moscow, Russia on May 26, 2017. The NAAC is an organisation that assesses and accredits institutions of higher education in India.
- Its headquarters is located in Bangalore, Karnataka.

### 23. Solution: (a)

The Securities and Exchange Board of India (SEBI) has formed committee to improve standards of corporate governance of listed companies. The committee under the chairmanship of Uday Kotak, chief of Kotak Mahindra Bank, will submit the report within a period of 4 months. The committee would make recommendations to SEBI on ensuring independence in spirit of independent directors and their active participation in functioning of the company and steps for improving safeguards and disclosures pertaining to related party transactions.

### 24. Solution: (b)

- The Indian Space Research Organisation (ISRO) has successfully launched its 3136 kg GSAT-19 communication satellite with its brand new and heaviest – Geosynchronous Satellite Launch Vehicle Mark-III D-1 (GSLV-Mk III D-1) satellite into Geosynchronous Transfer Orbit (GTO) from the Satish Dhawan Space Centre (SDSC) in Sriharikota, Andhra Pradesh on June 5, 2017.
- The satellite GSAT-19 has an intended life span of 10 years and is developed to improve telecommunication and broadcasting areas. The GSLV-Mk III is popularly known as "fat boy" and is developed for 15 years at a cost of around Rs 300 crore.
- The rocket is capable of carrying payloads of up to 4,000 kg into the GTO and 10,000 kg into the Low Earth Orbit (LEO).
- The GSLV-Mk III is a three-stage rocket. Its first stage is made of two straps on motors filled with solid fuel. The second stage uses the liquid fuel and the third is the cryogenic upper stage "C25", which is powered by the highly complex indigenous cryogenic engine "CE20". The number 20 denotes the 20-ton thrust it generates for the rocket to reach the intended height with the heavy mass on board.

### 25. Solution: (b)

- India's first-ever Rural LED Street Lighting Project will be implemented by the Government of India (GoI) in Andhra Pradesh (AP).
- The Energy Efficiency Services Limited (EESL) under the Ministry of Power will retrofit 10 lakh conventional street lights with LED lights in Gram Panchayats of 7 districts in AP.
- This is the first project for rural LED street lighting in the country under the GoI's Street Lighting National Project (SLNP).

### 26. Solution: (a)

- The Telangana Government has become the only state government in India to launch the single-women pension scheme.
- Under the scheme, a financial assistance of Rs. 1,000 financial is given to single women of the state per month on humanitarian grounds. The scheme will benefit unmarried women, joginis and divorced women.
- The single-women pension scheme is the result of petitions filed on the plight of single women deserted by their husbands and relatives.

**27. Solution: (b)**

**28. Solution: (b)**

- Montenegro has officially become the 29th member of North Atlantic Treaty Organization (NATO) at a ceremony in Washington, United States on June 5, 2017.
- The purpose of NATO is to guarantee the freedom and security of its members through political and military means. The headquarters of NATO is located at Brussels, Belgium.

**29. Solution: (b)**

1. Mukurthi National Park (MNP) : Tamil Nadu
3. Gumti Wildlife Sanctuary : Tripura

**30. Solution: (c)**

- India and the UN Office for South-South Cooperation (UNOSSC) have launched a partnership fund that will support sustainable development projects across the developing world.
- India-UN Development Partnership Fund will implement country-level projects that are catalytic towards achieving the 17 sustainable development goals of the 2030 Agenda.
- The purpose of the initiative is to reduce poverty and hunger, improving health, education and equality, and expanding access to clean water, energy and livelihoods.

**31. Solution: (d)**

- The President of India, Pranab Mukherjee has launched a mobile Application 'Selfie with Daughter' at Rashtrapati Bhavan in New Delhi on June 9, 2017 to raise awareness among people about female foeticide and sex selection.
- The President has urged the people to take selfies with their daughters to make the campaign a huge success.
- The 'Selfie with Daughter' campaign was started by Sunil Jaglan in June 2015 at village Bibipur in

Haryana, which was praised by the President on this occasion.

**32. Solution: (d)**

- The water conservation model "Project Jal Sanchay" has been selected for the national award for excellence in the Mahatma Gandhi National Rural Employment Guarantee Programme (MGNREGP).
- The model is adopted successfully by the authorities in Nalanda district of south central Bihar. Under the project, check dams were created and traditional Aahar-Pyne irrigation system and traditional water bodies were desilted and renovated to create awareness about rainwater harvesting.
- In it, the traditional water conservation system was used in water management and in maintaining water table in the area.
- Thus, through campaigns and support from local farmers, the water conservation project has not only improved the availability of water but has also positively impacted farm production in the areas covered by the project.

**33. Solution: (c)**

- The Union Home Ministry has constituted an expert committee to examine methods to curb the misuse of free movement along the Myanmar border.
- The committee will be headed by Rina Mitra, the special secretary (Internal Security) in the Ministry of Home Affairs (MHA).
- The committee will examine the present rules and regulations adopted by the border States for implementation of free movement regime and submit the report within 3 months. Notably, India's 1,643-km border with Myanmar touches four states — Arunachal Pradesh, Nagaland, Manipur and Mizoram.

**34. Solution: (b)**

**35. Solution: (a)**

- The APY is the government's flagship social security scheme which may be availed by every citizen of India who is in the age group of 18-40 years.
- The scheme provides a minimum guaranteed pension to everyone enrolled. Currently, the scheme boasts of over 54 lakh subscribers and has generated a return of 13.91%.

**36. Solution: (a)**

- The Union Power Minister Piyush Goyal has launched Energy Conservation Building Code (ECBC) 2017 in New Delhi to prescribe the energy performance standards for new commercial buildings to be constructed across India.
- The updated version of ECBC provides current as well as futuristic advancements in building technology to further reduce building energy consumption and promote low-carbon growth. The purpose of the code is to optimize energy savings with the comfort level for occupants, and prefers life-cycle cost effectiveness to achieve energy neutrality in commercial building.
- The ECBC 2017 was developed by Bureau of Energy Efficiency (BEE) with technical support from United States Agency for International Development (USAID) under the U.S.-India bilateral Partnership to Advance Clean Energy – Deployment Technical Assistance (PACE-D TA) Program.

### 37. Solution: (a)

Walk Free Foundation and the Global Slavery Index:

- In 2012, Australian mining billionaire Andrew Forrest founded the Walk Free Foundation (WFF) with the aim of eliminating modern slavery.
- Its first Global Slavery Index in 2013 ranked countries based on the prevalence of modern slavery. Subsequent reports also evaluated government response to the challenge.
- The latest survey (released recently; Global Slavery Index 2016) ranked 167 countries based on the proportion of the population estimated to be in slavery. India came in fourth after North Korea, Uzbekistan and Cambodia.
- In terms of the absolute numbers of people in slavery, India ranked first — ahead of China, Pakistan and Bangladesh.

### 38. Solution: (d)

- Sister City and Sister Province Agreements; ex: Chennai – Chongqing;
- Facilitation of visits of foreign dignitaries to India; ex: facilitating the visit of a Governor of one of Japan's provinces to the states of Gujarat and Rajasthan;
- Humanitarian Operations; ex: Operation Rahat (Yemen) and Operation Maitri (Nepal) – the division acted as a bridge by way of facilitating evacuation of Indians from those countries and sending them to their respective states in a safe and secure manner;

Apart from the three listed above, following activities involved/were carried out by the States Division:

- State and Provincial Leaders Forum (which will help deepen sub-national cooperation between India and associated countries)
- Outreach Programmes (ex: facilitating visits of delegations from Indian states to other countries for specific matters – attracting FDI, for instance)
- Facilitating foreign visits of dignitaries from State Governments.

### 39. Solution: (c)

India and EU in 2016 endorsed the EU-India Agenda for Action-2020 as a common roadmap to jointly guide and strengthen the India-EU Strategic Partnership in the next five years. Broadly, matters that it deals with include: Foreign Policy and Security Cooperation, Trade and Investment, Business and Economy, Global Issues/Sector Policy Cooperation, People-to-people.

### 40. Solution: (b)

- Pradhan Mantri Gramin Digital Saksharta Abhiyaan is the scheme to make six crore persons in rural areas, across States/UTs, digitally literate, reaching to around 40% of rural households by covering one member from every eligible household by 31st March, 2019.
- The Scheme would empower the citizens in rural areas by training them to operate computer or digital access devices (like tablets, smart phones etc.), send and receive e-mails, browse Internet, access Government services, search for information, undertake digital payment etc. and hence enable them to use the Information Technology and related applications especially Digital Payments to actively participate in the process of nation building.
- Preference would be given to SC, ST, BPL, women, differently-abled persons and minorities.
- The Scheme is applicable only for rural areas of the country.

### 41. Solution: (c)

- The European Union (EU) and India announced the establishment of an Investment Facilitation Mechanism (IFM) for EU investments in India.
- The mechanism will allow for a close coordination between the European Union and the Government of India with an aim to promote and facilitate EU investment in India.

### 42. Solution: (c)

**43. Solution: (b)**

**44. Solution: (a)**

- “Ishan Uday” special scholarship for NE students for general and professional degree courses.
- “Ishan Vikas” to provide exposure visits for talented students from the NE region for internship in IITs, NITs, and NIFTs.

**45. Solution: (c)**

- “Dead zone” is a more common term for hypoxia, which refers to a reduced level of oxygen in the water.
- Hypoxic zones can occur naturally, but scientists are concerned about the areas created or enhanced by human activity. There are many physical, chemical, and biological factors that combine to create dead zones, but nutrient pollution is the primary cause of those zones created by humans.
- Dead zones occur in many areas of the country, particularly along the East Coast, the Gulf of Mexico, and the Great Lakes, but there is no part of the country or the world that is immune. The second largest dead zone in the world is located in the U.S., in the northern Gulf of Mexico.

**46. Solution: (a)**

**47. Solution: (d)**

**48. Solution: (d)**

**49. Solution: (d)**

**50. Solution: (b)**

- A 2-day Regional Conference on “Good Governance and Replication of Best Practices” was held in Nainital, Uttarakhand.
- Two presentations were made: one on the Paperless Himachal Legislative Assembly and another on Good Governance Index.

**51. Solution: (a)**

- It is an agreement between taxpayers (corporates) and the central tax authority (in case of India it is CBDT)
- It determines transfer pricing methodology for determining the value of assets and taxes on intra-group overseas transactions.
- The taxpayer has the option to roll back the APA. The roll back provisions under the scheme were introduced in 2014.
- APA provides total of nine years of tax certainty including four year term of rollback.

**52. Solution: (b)**

- The Haryana food and drugs administration department has banned flushing/mixing of liquid nitrogen with any drink or food article.
- Liquid nitrogen is a colourless liquid having a boiling point of -195.79 °C. It is used to instantly freeze food and drinks.
- According to medical experts, any drink or food article whose preparation involves flushing/mixing of liquid nitrogen is harmful for humans.
- It releases a large volume of gas as it evaporates, which can burst the stomach if consumed in a sufficiently large quantity.

**53. Solution: (c)**

**54. Solution: (c)**

- Defence Research and Development Organisation (DRDO) has developed India's first unmanned tank, which has three variants – surveillance, mine detection and reconnaissance in areas with nuclear and bio threats. It is called Muntra (Mission UN manned Tracked) and has been rolled out of the Chennai lab.
- Muntra-S is the country's first tracked unmanned ground vehicle (tank) developed for unmanned surveillance missions. Muntra-M is for detecting mines and Muntra-N is for operation in areas where there is nuclear radiation or biological weapon risk.

**55. Solution: (c)**

**56. Solution: (a)**

**57. Solution: (c)**

**58. Solution: (d)**

- Hyperloop is a pod-like vehicle is propelled through a near-vacuum tube connecting cities at speeds matching that of an aircraft
- Pod Taxi: small automated vehicles- cable cars or pod cars – equipped to carry small number of passengers
- Freight rail road: Under it elevated corridors will be built with rail lines where freight trucks can be placed and then they would move on rails at high speed, increasing freight quantity and reducing freight time.

**59. Solution: (a)**

**60. Solution: (a)**

**61. Solution: (d)**

**62. Solution: (d)**

- The Union Ministry of Rural Development launched **Aarambh mobile app** for performance based maintenance contracting and community contracting for maintenance contracting and community contracting for maintenance of rural roads.
- **Aarambh Initiative**, a network of organisations and individuals working on child protection in the country, has collaborated with the U.K.-based Internet Watch Foundation (IWF), which is an industry watchdog and is the most successful hotline in the world at removing child pornography.
- **Aarambh India** is a non-profit initiative working in Mumbai, India. It focuses on child protection and issues related to child sexual abuse and exploitation.

**63. Solution: (c)**

- PMVVY is a Pension Scheme announced by the Government of India exclusively for the senior citizens aged 60 years and above. The Scheme can be purchased offline as well as online through Life Insurance Corporation (LIC) of India which has been given the sole privilege to operate this Scheme.
- Scheme provides an assured return of 8% p.a. payable monthly (equivalent to 8.30% p.a. effective) for 10 years.
- The scheme also allows for premature exit for the treatment of any critical/ terminal illness of self or spouse. On such premature exit, 98% of the Purchase Price shall be refunded.

**64. Solution: (c)**

- The President of India inaugurated the "Bicentenary celebration of the heroic Paika Rebellion of Odisha, a valiant uprising of Paikas against the British rule" organised by the Ministry of Culture.
- Paikas were essentially the peasant militias of the Gajapati rulers of Odisha who rendered military service to the king during times of war while taking up cultivation during times of peace.
- The 'PaikaBidroha' (Paika rebellion) of 1817 will find a place in the history books as 'the First War of Independence' from the next academic session.

**65. Solution: (b)**

First meeting of Integrated Monitoring and Advisory Council (IMAC) held on 19th July 2017

- Petroleum Minister chairs meet of apex body on "Roadmap to achieve 10% reduction in import dependency in O&G by 2021-22".

- It includes measures like resource re-assessment, National Data Repository (NDR), Open Acreage Licensing policy (OALP), Hydrocarbon Exploration Licensing Policy (HELP), Discovered Small Field Policy, tapping unconventional sources such as Coal Bed Methane (CBM) and Shale Gas besides enhancing production of bio-diesel and increased use of PNG and LPG.

**66. Solution: (d)**

**67. Solution: (b)**

- The Cabinet Committee on Economic Affairs has given its approval for upgradation and widening of 65 km of Imphal-Moreh Section of NH-39 in Manipur.
- The project is being developed with ADB's loan assistance under the South Asian Sub-Regional Economic Cooperation (SASEC) Road Connectivity Investment Program.
- The project corridor is also a part of the Asian Highway No. 01 (AH01) and acts as India's Gateway to the East. Thus trade, commerce and tourism in the region will get a boost.

**68. Solution: (b)**

**Objectives of the Policy**

- To make India business and investor friendly by reducing regulatory restrictions.
- Double India's existing oil production from current 80 million metric tons to about 150-155 million metric tons by 2022.
- Identification of areas where exploration of different hydrocarbons can be made possible.

**Main Features of the Policy**

- Uniform Licensing
- Open Acreage Policy
- Revenue Sharing
- Marketing and Pricing Freedom
- Exploration phase for the onshore areas have been increased from 7 to 8 years and offshore areas from 8 to 10 years.

**69. Solution: (b)**

The 'fair usage' of certain trademarks for the purpose of education, research etc. is not available under the Trademarks Act.

**70. Solution: (d)**

**71. Solution: (a)**

**72. Solution: (c)**

A group of Indian astronomers have discovered a massive supercluster of galaxies, and have named it Saraswati. The supercluster is about 4 billion light years away and spreads over a “great wall” about 600 million light years across. This makes it one of the largest superclusters to be discovered and also the furthest.

**73. Solution: (c)**

SDSS stands for the Sloan Digital Sky Survey. This is an ambitious plan to make a digital 3D map of the universe. Started in 2000, it has, over eight years, mapped more than a quarter of the sky.

**74. Solution: (c)**

- A state-of-the-art, indigenous doppler weather radar, capable of predicting with increased accuracy weather events such as cyclone occurring in 500-km radius from Kochi, was inaugurated recently in Kochi.
- The S-Band doppler weather radar in Kochi was made with support from ISRO and Bharat Electronics.

**75. Solution: (a)**

- Cashless treatment Scheme in Emergency (CTSE) shall provide help and succor to the retired railway employees at the time of need and at the same time will have a morale boosting effect on the serving employees.
- Minister of Railways has launched the following Initiatives recently :-
  - i. RAIL CLOUD PROJECT.
  - ii. NIVARAN-Grievance Portal (First IT Application on Rail Cloud).
  - iii. Cashless treatment Scheme in Emergency (CTSE) Scheme and Handing over of 1st CTSE Card.

**76. Solution: (d)**

NASA’s unmanned spacecraft Juno has successfully peered into the Jupiter’s giant storm known as the Great Red Spot. It became first space probe to complete flyby of Jupiter’s Great Red Spot.

**77. Solution: (b)**

**78. Solution: (d)**

- NASA’s unmanned spacecraft Juno has successfully peered into the Jupiter’s giant storm known as the Great Red Spot. It became first space probe to complete flyby of Jupiter’s Great Red Spot.
- As the largest planet orbiting the sun, Jupiter has had a profound influence on the solar system. But its origin remains a profound mystery.

- To learn how Jupiter formed and how it has evolved, Juno will study the gas giant’s gravitational and magnetic fields, and explore the swirling clouds that form Jupiter’s colorful, trademark atmosphere.
- The spacecraft will also reveal what Jupiter is made of – and how much of it is water.

**79. Solution: (d)**

**80. Solution: (c)**

The Horn of Africa denotes the region containing the countries of Djibouti, Eritrea, Ethiopia, and Somalia.

**81. Solution: (d)**

It is forum of central bankers and experts working towards promotion of a robust and transparent forex market. It has been established under the aegis of BIS.

The committee comprises of public and private sector representatives from the foreign exchange committees of 16 international forex trading centres. One of the major tasks of the committee is to maintain and update the “Global Code of Conduct for the Foreign Exchange Markets”.

**82. Solution: (b)**

**83. Solution: (d)**

The 12th G-20 summit concluded in Germany’s Hamburg city with adaptation of Hamburg Action Plan. It sets out the group’s strategy for achieving strong, sustainable, balanced and inclusive growth.

**84. Solution: (b)**

- The President of India on the occasion of Guru Purnima launched four major digital initiatives in to push e-education. They are Swayam, Swayam Prabha, National Academic Depository and National Digital Library.
- All these digital initiatives are operational under Union Ministry of Human Resource and Development.

**85. Solution: (a)**

“Programme 17 for 17”: - A 17 point action plan for 2017 – for building digital campuses and high quality education. The action plan covers measures like universal adoption of digital education, digital financial transactions in the campuses from the current academic year.

**86. Solution: (d)**

**87. Solution: (a)**

- India and Bangladesh have decided to construct a bridge over Mizoram's Khawthlangtuipui river to

facilitate trade and improve communication between the two neighbours.

- The border runs along five states, West Bengal (2,216.7 km), Assam (263 km), Meghalaya (443 km), Tripura (856 km) and Mizoram (318 km).

**88. Solution: (d)**

The Khawthlangtuipui also known as the **Karnaphuli** is a river of Mizoram, north-eastern India. It is said to "represent the drainage system of the whole south western part of Mizoram.

**89. Solution: (c)**

**90. Solution: (c)**

**91. Solution: (a)**

The Energy Resources Institute (TERI) has been ranked second among world's best climate think tank by the International Centre for Climate Governance (ICCG) recently.

**92. Solution: (d)**

- Kambala, the traditional slush-track buffalo race of coastal Karnataka, resumed in Moodbidri in Dakshin Kannada district after a year.
- The sport is similar to the other controversial traditional game called Jallikattu. Kambala is buffalo racing where as jallikattu is bull taming where a group of people try to hold on to the bull and win.
- The Kambala season begins in November and goes on till March.
- Jallikattu is celebrated on Mattu Pongal day.

**93. Solution: (d)**

- The Asian Infrastructure Investment Bank (AIIB) is a multilateral development bank that aims to support the building of infrastructure in the Asia-Pacific region.
- The ADB is a regional development bank which aims to promote social and economic development in Asia. It is headquartered in Manila, Philippines.
- Japan is the largest shareholder (capital subscription) of ADB followed US, China, India, and Australia.

**94. Solution: (c)**

**95. Solution: (c)**

The missile has a strike range of 25 km to 30 km.

**96. Solution: (d)**

- The Assam government is going to raise a new Special Rhino Protection Force (SRPF) for better protection of the one-horned rhinos in Assam.
- Indian rhinoceros, also called the greater one-horned rhinoceros and great Indian rhinoceros, is a rhinoceros native to the Indian subcontinent. It is listed as **Vulnerable** on the IUCN Red List, as populations are fragmented and restricted to less than 20,000 km<sup>2</sup> (7,700 sq mi). Moreover, the extent and quality of the rhino's most important habitat, alluvial grassland and riverine forest, is considered to be in decline due to human and livestock encroachment.
- The Indian rhinoceros once ranged throughout the entire stretch of the Indo-Gangetic Plain, but excessive hunting and agricultural development reduced their range drastically to 11 sites in northern India and southern Nepal.

**97. Solution: (a)**

- i3 is a flagship program of the Government of India in collaboration with World Bank. It is committed to make India a hub for design and development of novel, affordable and effective biopharmaceutical products and solutions.
- The Union Ministry of Science & Technology has launched **National Biopharma Mission**, a first ever Industry-Academia mission to accelerate biopharmaceutical development in India. Under this mission, the ministry also launched Innovate in India (**i3**) program to create an enabling ecosystem to promote entrepreneurship and indigenous manufacturing in the sector.

**98. Solution: (c)**

It is world's largest rural broadband connectivity programme

**99. Solution: (d)**

**100. Solution: (b)**

The Ministry of Urban Development, Government of India takes up the Swachh Survekshan in urban areas and the Ministry of Drinking Water and Sanitation in rural areas. The Quality Council of India (QCI) has been commissioned the responsibility of carrying out the assessment.