

**Key with Explanation**

<p><b>1</b></p>	<p><b>A</b></p> <p>H5N1 is a type of influenza virus that causes a highly infectious, severe respiratory disease in birds called avian influenza (or "bird flu"). Human cases of H5N1 avian influenza occur occasionally, but it is difficult to transmit the infection from person to person. When people do become infected, the mortality rate is about 60%. Almost all cases of H5N1 infection in people have been associated with close contact with infected live or dead birds, or H5N1-contaminated environments. The virus does not infect humans easily, and spread from person to person appears to be unusual. There is no evidence that the disease can be spread to people through properly prepared and thoroughly cooked food. H1N1 is a flu virus. When it was first detected in 2009, it was called "swine flu" because the virus was similar to those found in pigs. The H1N1 virus is currently a seasonal flu virus found in humans. Although it also circulates in pigs, you cannot get it by eating properly handled and cooked pork or pork Products.</p>	<p><b>4</b></p> <p><b>D</b></p> <p>A fiber-optic cable consists of hundreds of thin strands of glass that transmit not electricity but rather pulsating beams of light. A single optical fiber strand has been used to transmit data at a rate of 100 Terabits per second. Although signal degrades over distance with both technologies, the degradation is significantly less in optical fiber cabling. Optical fiber cables can deliver higher bandwidth than copper cable. Signals sent across copper cabling can be intercepted quite easily with an antenna due to the way the data is transmitted. There is no easy way to intercept information sent along optical fiber network cables as light cannot be "read" in the same way.</p>
<p><b>2</b></p>	<p><b>C</b></p> <p>The Global Innovation Index 2016 (GII), is co-published by Cornell University, INSEAD, and the World Intellectual Property Organization (WIPO), a specialized agency of the United Nations).</p> <p>The World Intellectual Property Organization (WIPO) is one of the 17 specialized agencies of the United Nations which was created in 1967 "to encourage creative activity, to promote the protection of intellectual property throughout the world."</p>	<p><b>5</b></p> <p><b>A</b></p> <p>In Vitro meat is also called as victim less meat, cultured meat, tube steak, test tube meat etc. It is an animal flesh product that has never been part of a living animal.</p> <p>As it is produced in laboratory; it has very less carbon footprint than meat. Also, any animals's muscle tissue could be grown through this process even human.</p> <p>but, it is quite expensive that's why its use isn't increasing. Also, there are ethical issue regarding this. But in future, its cost would come down and use will increase provided the ethical and possible legal concern got addressed.</p>
<p><b>3</b></p>	<p><b>D</b></p> <p>LASER finds applications in :</p> <ul style="list-style-type: none"> <li>● Optical communication : Communications can be carried in a LASER beam through optical fibres.</li> <li>● Used to read DVD.</li> </ul>	<p><b>6</b></p> <p><b>D</b></p> <p>The South Asian Association for Regional Cooperation (SAARC) is a regional intergovernmental organization in South Asia. Its member states include Afghanistan,</p>

	<p>Bangladesh, Bhutan, India, Nepal, the Maldives, Pakistan and Sri Lanka. Bangladesh, India, Nepal and Pakistan are its founding members. The last Summit of SAARC was held in Kathmandu in 2014 and not in Islamabad. The 19th SAARC summit was a diplomatic conference, which was originally scheduled to be held in Islamabad, Pakistan in November 2016. Following the rising diplomatic tensions after the Uri terrorist attack, India announced its boycott of the 19th SAARC Summit, alleging Pakistan's involvement in the same. Later, Bangladesh, Afghanistan, Bhutan and Sri Lanka also pulled out of the summit, culminating in an indefinite postponement of the summit. Afghanistan is the only country which has not hosted a SAARC summit so far.</p>	<ol style="list-style-type: none"> <li>2. Children (5-9 years)</li> <li>3. Adolescents girls and boys (10-19 years)</li> <li>4. Pregnant women</li> <li>5. Lactating women</li> <li>6. Women of Reproductive Age (WRA) group (15-49 years)</li> </ol> <p>The six interventions are:</p> <ol style="list-style-type: none"> <li>1. Prophylactic Iron and Folic Acid Supplementation</li> <li>2. Deworming</li> <li>3. Intensified year-round Behaviour Change Communication (BCC) Campaign and delayed cord clamping</li> <li>4. Testing of anaemia using digital methods and point of care treatment,</li> <li>5. Mandatory provision of Iron and Folic Acid fortified foods in Government funded health programmes</li> <li>6. Addressing non-nutritional causes of anaemia in endemic pockets with special focus on malaria, hemoglobinopathies and fluorosis and the six institutional mechanisms.</li> </ol> <p>The six institutional mechanisms are:</p> <ol style="list-style-type: none"> <li>1. Inter-ministerial coordination</li> <li>2. National AnemiaMukt Bharat Unit</li> <li>3. National Centre of Excellence and Advanced research on Anemia Control</li> <li>4. Convergence with other ministries</li> <li>5. Strengthening supply chain and logistics</li> <li>6. AnemiaMukt Bharat Dashboard and Digital Portal- one-stop shop for Anemia.</li> </ol> <p>This comprehensive strategy is expected to yield positive results in Anemia control.</p>
<p>7. <b>D</b></p>	<p>Government will develop five places as "Panchteerth" in honour of B R Ambedkar. After unveiling the plaque at a function at Vigyan Bhawan, Prime Minister Narendra Modi said the "Panchteerth" include Ambedkar's birthplace in Mhow, the place in London where he stayed while studying in UK, 'Deeksha Bhoomi' in Nagpur, where he took education and 'Mahaparinirvan Sthal' in Delhi, and 'Chaitya Bhoomi' in Mumbai.</p>	
<p>8 <b>D</b></p>	<p>Government of India has launched the Anemia Mukt Bharat (AMB) strategy under the Prime Minister's Overarching Scheme for Holistic Nourishment (POSHAN) Abhiyaan and the targets has been set to reduce anaemia by 3% per year.</p> <p>The 6x6x6 strategy under AMB implies six age groups, six interventions and six institutional mechanisms. The strategy focuses on ensuring supply chain, demand generation and strong monitoring using for addressing anemia, both due to nutritional and non-nutritional causes.</p> <p>The six population groups under AMB strategy are:</p> <ol style="list-style-type: none"> <li>1. Children (6-59 months)</li> </ol>	<p>9 <b>A</b></p> <p>The Gender Parity Index (GPI) is a socio-economic index usually designed to measure the relative access to education of males and females. In its simplest form, it</p>

<p><b>10</b></p> <p><b>B</b></p> <p><b>11</b></p> <p><b>D</b></p> <p><b>12</b></p> <p><b>D</b></p>	<p>is calculated as the quotient of the number of females by the number of males enrolled in a given stage of education (primary, secondary and tertiary).</p> <p>The Cabinet Committee on Economic Affairs has recently given its approval for continuation of the process of recapitalization of Regional Rural Banks (RRBs) by providing minimum regulatory capital to RRBs for another year beyond 2019-20, that is, up to 2020-21 for those RRBs which are unable to maintain minimum Capital to Risk weighted Assets Ratio (CRAR) of 9%, as per the regulatory norms prescribed by the Reserve Bank of India.</p> <p>Objectives of RRBs</p> <p>To provide credit and other facilities to the small and marginal farmers, agricultural labourers, artisans and small entrepreneurs in rural areas.</p> <p>To check the outflow of rural deposits to urban areas and reduce regional imbalances and increase rural employment generation.</p> <p>The RRBs are required to provide 75% of their total credit as priority sector lending.</p> <p>The recapitalisation process of RRBs was approved by the cabinet in 2011 based on the recommendations of a committee set up under the Chairmanship of K C Chakrabarty.</p> <p>The benefits and risks of electronic cigarette use are still uncertain. Their role as a substitute for tobacco products is unclear. Electronic cigarettes do not contain tobacco although they do use nicotine from tobacco plants. Banned through "Prohibition of Electronic Cigarettes Bill" 2019 in Dec'19- by Rajya Sabha and Ordinance-Sep'2019.</p> <p>Echo is a widely used physical phenomena based on interference of sound waves. It leads to repetition of the sound due to reflection of sound waves from various sources</p>	<p>(obstacles).</p> <p>It has its application in SONAR, under water exploration, Ultra sound etc.</p> <p><b>13</b></p> <p><b>A</b></p> <p>Was asked previously in UPSC prelims. Since Viruses lack organelles and are totally dependent on the host cells metabolic machinery for replication, (hence) they cannot be grown in synthetic media. In laboratory, animal viruses are grown in animals, plant viruses are grown in plants or plant cell culture.</p> <p><b>14</b></p> <p><b>D</b></p> <p>Resistive touchscreen require slight pressure in order to register the touch, and are not always as quick to respond as capacitive touchscreens such as the iPhone's. Resistive screens don't allow for multi-touch gestures such as pinch to zoom, although they can register a touch by one finger when another finger is already touching a different location on the screen. As expected Capacitive touchscreens are expensive.</p> <p><b>15</b></p> <p><b>B</b></p> <p>Food fortification is increasingly coming to light as one of the most cost-effective health interventions that exists today to address micronutrient malnutrition. Many diets, especially those of the poor, contain insufficient amounts of vitamins and minerals due to lack of variation and/or consumption of predominantly processed foods. Food fortification is the addition of key vitamin and minerals (e.g. iron, folic acid, iodine, vitamin A, and zinc) to staple foods to improve their nutritional content and address a nutritional gap in a population. A safe and effective means of improving public health that has been used around the world since the 1920s, it provides a nutritional benefit without requiring consumers to change eating habits or purchase patterns. In the developing world, commonly fortified foods include staple products such as salt, maize flour, wheat flour, sugar, vegetable oil, and rice.</p>
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<p><b>16</b></p>	<p><b>D</b></p> <p>Juice Jacking - a type of cyber-attack which originates from USB charging port installed at public places such as airports, cafes, bus stands, etc. Once the device is plugged-in and connection is established, it either installs malware or secretly copies sensitive data from a smartphone, tablet, or any other computer device.</p>	<p><b>19</b></p>	<p>Maharashtra from where it will be exported to Iran.</p>
<p><b>17</b></p>	<p><b>D</b></p> <ul style="list-style-type: none"> <li>● The European Commission (EC) has launched the 'United for Biodiversity' coalition.</li> <li>● It was launched on World Wildlife Day 2020- 3rd March.</li> </ul> <p>What is it?</p> <ul style="list-style-type: none"> <li>● The coalition is made up of zoos, aquariums, botanical gardens, national parks, and natural history and science museums from around the world.</li> <li>● The coalition offers the opportunity for all such institutions to "join forces and boost public awareness about the nature crisis.</li> <li>● The coalition adopted a common pledge, citing the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES) Global Assessment finding that one million species were already at risk of extinction, and appeals to visitors to each of their institutions to "raise their voice for nature."</li> </ul>	<p><b>20</b></p>	<p><b>B</b></p> <p>The World Happiness Report 2020 has been released recently by the Sustainable Development Solutions Network (SDSN).</p> <p>Finland was once again crowned as the world's happiest country, extending its lead over Denmark and Switzerland.</p> <p>India ranks 144 in the ranking.</p> <p>World Happiness Report</p> <p>The World Happiness Report is a landmark survey of the state of global happiness that ranks 156 countries by how happy their citizens perceive themselves to be.</p> <p>The World Happiness Report 2020 for the first time ranks cities around the world by their subjective well-being and digs more deeply into how the social, urban and natural environments combine to affect our happiness.</p>
<p><b>18</b></p>	<p><b>D</b></p> <p>India's first of its kind fruit train was launched from Tadipatri Railway Station in Anantapur district &amp; from Kadapa district of Andhra Pradesh. This is the first time an entire train carrying a load of 980 metric tonnes of locally grown bananas. The bananas will be exported under the brand name 'Happy Bananas'. Guntakal Railway division (is one of the four divisions of South Coast Railway zone of the Indian Railways) has loaded bananas for export to West Asian countries from Tadipatri at very first time and also it has been sent to the Jawaharlal Nehru Port Trust (JNP) in Mumbai,</p>		<p><b>C</b></p> <p>The Prevention of Insults to National Honour Act, 1971</p> <p>STATEMENT 1 is correct: The act states : Whoever in any public place or in any other place within public view burns, mutilates, defaces, defiles, disfigures, destroys, tramples upon or [otherwise shows disrespect to or brings] into contempt (whether by words, either spoken or written, or by acts) the Indian National Flag or the Constitution of India or any part thereof, shall be punished with imprisonment for a term which may extend to three years, or with fine, or with both.</p> <p>STATEMENT 2 is correct: as a portion of costume, uniform or accessory of any description which is worn below the waist of any person; or</p> <p>The disrespect to the Indian National Flag means and includes-</p> <ul style="list-style-type: none"> <li>(a) A gross affront or indignity offered to the Indian National Flag; or</li> <li>(b) Dipping the Indian National Flag in sa-</li> </ul>

<p>lute to any person or thing; or</p> <p>(c) Flying the Indian National Flag at half-mast except on occasions on which the Indian National Flag is flown at half-mast on public buildings in accordance with the instructions issued by the Government; or</p> <p>(d) Using the Indian National Flag as a drapery in any form whatsoever except in State funerals or armed forces or other para-military forces funerals; or</p> <p>(e) Using the Indian National Flag,-</p> <p>(i) (ii) by embroidering or printing it on cushions, handkerchiefs, napkins, undergarments or any dress material; or]</p> <p>(f) Putting any kind of inscription upon the Indian National Flag; or</p> <p>(g) using the Indian National Flag as a receptacle for receiving, delivering or carrying anything except flower petals before the Indian National Flag is unfurled as part of celebrations on special occasions including the Republic Day or the Independence day; or (h) Using the Indian National Flag as covering for a statute or a monument or a speaker's desk or a speaker's platform; or</p> <p>(i) Allowing the Indian National Flag to touch the ground or the floor or trail in water intentionally; or</p> <p>(j) draping the Indian National Flag over the hood, top and sides or back or on a vehicle, train, boat or an aircraft or any other similar object; or</p> <p>(k) Using the Indian National Flag as a covering for a building; or</p> <p>(l) Intentionally displaying the Indian National Flag with the "saffron" down.]</p> <p><b>21 C</b></p> <p>It is India's first indigenously built surface-to-surface strategic missile. The single-stage, liquid-fuelled Prithvi-II had been inducted into the armed forces. It could be launched from anywhere with its mobile launcher having user-driven features. Re-</p>		<p>cently, India successfully test-fired its indigenously developed nuclear capable Prithvi-II missile twice in quick succession as part of a user trial by the army from a test range at Chandipur in Odisha. The two surface-to-surface missiles which have a strike range of 350 km and are capable of carrying 500 kg to 1,000 kg of warheads were successfully test-fired in quick succession from mobile launcher from launch complex-3 of the Integrated Test Range (ITR).</p> <p><b>22 A</b></p> <p>Wi-Fi, Bluetooth and Li-Fi are wireless technologies, whereas Ethernet provides communication over a single cable shared by all devices on the network.</p> <p><b>23 A</b></p> <ul style="list-style-type: none"> <li>● Tissue culture is a technique by which whole plants could be regenerated from explants, called as totipotency.</li> <li>● This technique is used in the commercial production of some plants like apple, banana etc.</li> <li>● This technique can also be used for the recovery of healthier plant from the diseased one because the meristem of a diseased plant remains intact and can be used for generating the healthier one.</li> <li>● This technique can also be used for combining the features of two plants by fusing their protoplast.</li> </ul> <p><b>24 D</b></p> <p>Mirage formation is a result of the refraction and the total internal reflection of light in the air.</p> <p>The scientific name for the twinkling of stars is stellar scintillation (or astronomical scintillation). Stars twinkle when we see them from the Earth's surface because we are viewing them through the Earth's atmosphere where random refraction happens. Stars closer to the horizon appear to twinkle more than stars that are overhead - this is because the light of stars near the horizon has to travel through more air than the light of stars overhead and so is sub-</p>
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<p>25</p> <p><b>A</b></p> <p>26</p> <p><b>D</b></p>	<p>ject to more refraction. Stars would not appear to twinkle if we viewed them from outer space (or from a planet/moon that didn't have an atmosphere</p> <p>Scattering is a physical phenomena in which molecules of a medium, after absorbing incoming radiation, emit them in all possible directions. This gives rise to Tyndall effect.</p> <p>Tyndall effect :- When a beam of light falls on the fine particles of atmosphere or a colloidal solution, the path becomes visible. The question relates to tyndall effect and scattering.</p> <p>Prohibition of Employment as Manual Scavengers and their Rehabilitation Act prohibits the employment of manual scavengers, the manual cleaning of sewers and septic tanks without protective equipment and the construction of insanitary latrines. From now onwards, the construction and maintenance of the insanity latrines has become an offence, therefore no one can be employed or engaged as the manual scavenger. Hence, statement 1 is correct. The act also has provisions for the following measures for the rehabilitation of the identified manual scavengers:</p> <p>An initial one-time cash assistance.</p> <p>Scholarship to the children of manual scavenger.</p> <p>Allotment of residential plot and financial assistance for house construction of a ready built house.</p> <p>Training in a livelihood skill with payment of stipend of at least Rs 3000 per month.</p> <p>Provision for subsidy, along with concessional loans, to at least one adult member of the family. The National Commission for Safai Karamcharis (a statutory body) shall monitor the implementation of this Act, inquire into complaints of contravention of the Act and advice the central and state government on effective imple-</p>	<p>27</p> <p><b>B</b></p> <p>28</p> <p><b>C</b></p> <p>29</p> <p><b>C</b></p> <p>30</p> <p><b>C</b></p> <p>31</p> <p><b>B</b></p>	<p>mentation of the Act. Hence, statement 3 is correct.</p> <p>With a total outlay of ₹500 crore, HRIDAY Scheme is implemented in Cities namely, Ajmer, Amaravati, Amritsar, Badami, Dwarka, Gaya, Kanchipuram, Mathura, Puri, Varanasi, Velankanni and Warangal.</p> <p>State Bank of India's (SBI) plan to offer fixed-cum-floating home loan rates - known as teaser loans - is likely to hit a regulatory hurdle as the Reserve Bank of India (RBI) is uncomfortable with such products.</p> <p>Teaser loans are those which charge comparatively lower rates of interest in the first few years after which the rates are increased.</p> <p>The only tripartite U.N. agency, since 1919 the ILO brings together governments, employers and workers representatives of 187 member States , to set labour standards, develop policies and devise programmes promoting decent work for all women and men.</p> <p>The national task force for COVID-19, constituted by the Indian Council for Medical Research (ICMR), has recommended the use of hydroxychloroquine to treat COVID-19 for a high-risk population. ICMR directed that the hydroxy-chloroquine should be given to high-risk population asymptomatic healthcare workers. The medication can be used to treat the suspected and confirmed cases of COVID-19 and asymptomatic household contacts of laboratory-confirmed cases.</p> <p>BrahMos is a short-range ramjet supersonic cruise missile being developed by BrahMos Aerospace, a joint venture between DRDO of India and NPO Mashinostroyeniya (NPOM) of Russia. It can be launched from submarines, ships, aircraft or land against ships and land-based</p>
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<p>32</p> <p>33</p> <p>34</p>	<p>targets. It has a flight range of up to 290km and can reach a maximum speed of Mach 3.</p> <p>Recently, India and Russia have agreed to double the range of the BrahMos supersonic cruise missile following India's entry into the Missile Technology Control Regime (MTCR). The range will be extended to over 600 km and it would only require slight re-engineering. This range enables these missiles to strike anywhere within Pakistan.</p> <p><b>D</b></p> <p>Juno is a NASA space probe orbiting the planet Jupiter.</p> <p>NASA's Cassini spacecraft completed its final close flyby of Saturn's moon Titan successfully travelling between Saturn and its rings. MESSENGER (whose backronym is MErcury Surface, Space ENvironment, GEochemistry, and Ranging, and which is a reference to the Roman mythological messenger, Mercury) was a NASA robotic spacecraft that orbited the planet Mercury between 2011 and 2015.</p> <p><b>C</b></p> <p>IMPRINT India', is a Pan-IIT and IISc joint initiative to develop a roadmap for research to solve major engineering and technology challenges in ten technology domains relevant to India. It is a single window mechanism to ensure higher funding support for research in areas of immediate relevance to Indian society.</p> <p><b>C</b></p> <p>Bitcoin is digital currency which was founded in 2008. It is designed for secure financial transactions that require no central authority, no banks and no government regulators. Bitcoin would let transacting parties remain anonymous, keep transactions very secure, and eliminate middlemen fees. Users can hold multiple bitcoin addresses, and they aren't linked to names, addresses, or other personally identifying information. Bitcoins can be used to buy merchandise anonymously. In addition,</p>	<p>international payments are easy and cheap because bitcoins are not tied to any country or subject to regulation. Since the founding of the cryptocurrency, Bitcoin's inventor or inventors have been shrouded in mystery. It was first introduced by a programmer who went by the name of Satoshi Nakamoto. Nakamoto has claimed to be a man living in Japan, born around 1975. However, speculation about the true identity of Nakamoto has mostly focused on a number of cryptography and computer science experts of non-Japanese descent, living in the United States and Europe. Australian programmer Craig Steven Wright, has claimed to be Nakamoto, though he has not yet offered proof of this.</p> <p><b>D</b></p> <p>Various methods for water purification include:</p> <ul style="list-style-type: none"> <li>• Physical processes such as filtration, sedimentation and distillation, reverse osmosis.</li> <li>• Biological process such as slow sand filters or biologically active carbon.</li> <li>• Chemical processes such as flocculation and chlorination</li> <li>• Electromagnetic radiations such as U.V. light.</li> </ul> <p><b>A</b></p> <p>"Stand Up India Scheme" was initiated to promote entrepreneurship among Scheduled Castes, Schedule Tribes and Women. The Stand Up India scheme will facilitate two entrepreneurial projects on an average of one for each category (Women and SC/ST) of entrepreneurs per bank branch. The scheme will provide financial aid through the Small Industries Development Bank of India (SIDBI) with an initial amount of Rs 10,000 crore. The system will personally guide each entrepreneur through the pre-loan and operational phases. The scheme will also familiarise the entrepreneurs with factoring services, e- market places and registration with online platforms and other aspects of web</p>
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<p><b>37</b></p>	<p>Entrepreneurship.</p> <p><b>C</b></p> <p>The 508km-long Mumbai to Ahmedabad High Speed Rail (MAHSR) is scheduled for completion in December 2023.</p> <p>The train will have top speeds of 320-350 km per hour and it is expected to reduce travel time between the two cities to around 2 hours from the existing 7-8 hours.</p> <p>Funding</p> <p>To fund the ambitious Rs 1,10,000-crore project, a loan of Rs 88,000 crore will be taken from Japan. The Japan International Cooperation Agency (JICA) will fund it at a low rate of interest of 0.1% per annum. This loan has to be repaid to Japan in 50 years, with 15 years grace period.</p> <p>Second bullet train project</p> <p>The Indian Railways will launch the country's second high-speed train from Delhi to Amritsar via Chandigarh.</p> <p>The proposed train will cover the 458-km-long route in 2 hours and 30 minutes running at a speed of 300-350 kmph, reducing the travel time between New Delhi and Amritsar by about two and a half hours.</p>	<p>for carrying out transactions permitted under the scheme.</p> <p>However, LRS restricts buying and selling of foreign exchange abroad, or purchase of lottery tickets or sweep stakes, proscribed magazines and so on, or any items that are restricted under Schedule II of Foreign Exchange Management (Current Account Transactions) Rules, 2000.</p> <p>You also can't make remittances directly or indirectly to countries identified by the Financial Action Task Force as "non co-operative countries and territories".</p>
<p><b>38</b></p>	<p><b>B</b></p> <p>The Liberalised Remittance Scheme (LRS) of the Reserve Bank of India (RBI) allows resident individuals to remit a certain amount of money during a financial year to another country for investment and expenditure.</p> <p>According to the prevailing regulations, resident individuals may remit up to \$250,000 per financial year. This money can be used to pay expenses related to travelling (private or for business), medical treatment, studying, gifts and donations, maintenance of close relatives and so on.</p> <p>Apart from this, the remitted amount can also be invested in shares, debt instruments, and be used to buy immovable properties in overseas market. Individuals can also open, maintain and hold foreign currency accounts with banks outside India</p>	<p><b>39</b></p> <p><b>C</b></p> <p>After the Supreme Court ordered guidelines on telemedicine practice in the wake of novel coronavirus (COVID-19) outbreak, the Union Ministry of Health and Family Welfare came with the same recently.</p> <p>The guidelines were prepared in collaboration with NITI Ayog.</p> <p>Telemedicine comprises remote diagnosis and treatment of patients by means of telecommunications such video, phone, chatting apps, etc.</p> <p>India did not have any set of guidelines on the practice till now.</p> <p>There is no legal framework to encourage medical practitioners to provide remote medical consultations during a pandemic.</p> <p>According to the guidelines, only registered medical practitioners (RMP) enrolled in the State Register or the National Register under the Indian Medical Council Act 1956, can practise telemedicine, but after completing an online course.</p> <p>The online program will be developed and made available by the Board of Governors in supersession of Medical Council of India.</p> <p>All RMPs will need to complete the course within three years of notification of the guidelines to provide consultation via telemedicine.</p> <p>According to the guidelines, telemedicine consultation should not be anonymous.</p>

<p>40</p> <p>41</p> <p>42</p> <p>43</p>	<p>The RMP should ensure that there is a mechanism for a patient to verify the credentials and contact details.</p> <p>For issuing a prescription, the RMP needs to explicitly ask the age of the patient.</p> <p><b>C</b></p> <p>The Heritage Foundation published its 26th annual edition of Economic Freedom Index 2020 to measure the level of economic freedom in 186 countries. India (56.5) ranks in 120th position &amp; Singapore (89.4) tops the index for the 1st time.</p> <p><b>A</b></p> <p>Light Combat Aircraft (LCA) or Tejas is an indigenous supersonic, close combat, highly sophisticated aircraft. The aircraft is equipped to handle air-to-air missiles, air-to-surface missiles, anti-ship missiles, bombs and rockets.</p> <p>It is very light because very light yet sturdy special carbon- carbon fiber composites has been used as its construction material.</p> <p><b>D</b></p> <p>3D printing or additive manufacturing is a process of making three dimensional solid objects from a digital file. The creation of a 3D printed object is achieved using additive processes. In an additive process an object is created by laying down successive layers of material until the entire object is created. Each of these layers can be seen as a thinly sliced horizontal cross-section of the eventual object.</p> <p>Stereolithography is a form of 3-Dprinting technology used for creating models, prototypes, patterns, and production parts in a layer by layer fashion using photopolymerization, a process by which light causes chains of molecules to link, forming polymers</p> <p><b>C</b></p> <p>Lithium-ion batteries are used in portable devices and electric vehicles. Lithium-ion batteries will catch fire or explode if internal malfunction causes short circuit. This condition is called Thermal runaway.</p>	<p>44</p> <p><b>B</b></p> <p>The Indian National Satellite System, or INSAT, is a series of multipurpose geo-stationary satellites launched by ISRO to satisfy the telecommunications, tele-education, broadcasting, meteorology, and search and rescue operations. Commissioned in 1983, INSAT is the largest domestic communication system in the Asia Pacific Region. It is a joint venture of the Department of Space, Department of Telecommunications, Indian Meteorological Department, All India Radio and Doordarshan. The overall coordination and management of INSAT system rests with the Secretary-level INSAT Coordination Committee.</p> <p>45</p> <p><b>C</b></p> <p>Agni-V is India's first intercontinental ballistic missile and is a significant achievement by the Defence Research and development Organisation of India (DRDO). Agni V is a surface-to-surface nuclear capable ballistic missile. The missile carries the capacity to load a nuclear warhead weighing over a tonne. The missile can carry the warhead between the range of 5000-8000 kilometers according to different source, though there is no official confirmation on its exact range. However it is below 15000 kilometers</p> <p>46</p> <p><b>C</b></p> <p>India is NOT a signatory to the International Criminal Court, which requires the sanction of UNSC and deals with the cases of international and internal genocides and other major crimes.</p> <p>47</p> <p><b>C</b></p> <p>NASA's PUNCH mission will image the Sun. This is a landmark mission that will image regions beyond the Sun's outer corona. PUNCH, which stands for "Polarimeter to Unify the Corona and Heliosphere," is focused on understanding the transition of particles from the Sun's outer corona to the solar wind that fills interplanetary space.</p> <p>● India is planning to send up its own satellite Aditya-L1, a mission to study the Sun's corona.</p>
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49	<p><b>D</b></p> <p>The objectives of the PESA Act are as follows: To extend the provisions of Part IX of the Constitution relating to the Panchayats to the scheduled areas with certain modifications. To provide self-rule for the bulk of the tribal population. To have village governance with participatory democracy and to make the gram Sabha a nucleus of all activities. To evolve a suitable administrative framework consistent with traditional practices. To safeguard and to preserve the traditional customs of tribal communities, To empower panchayats at the appropriate levels with specific powers conducive to tribal requirements. To prevent panchayats at the higher level from assuming the powers and authority of panchayats at the lower level of the gram Sabha.</p>	51	<p><b>B</b></p> <p>Electronic Toll Collection (ETC) entails payment of highway tolls electronically without needing to stop the vehicle at the toll plaza. The unique number of the Radio Frequency ID (RFID) Tag fixed on the windshield of the vehicle will be read by the readers fitted in the dedicated "ETC" lanes.</p> <p>RFID is the wireless use of electromagnetic fields to transfer data, for the purpose of automatically identifying and tracking tags attached to objects. The tag contains electronically stored information.</p> <p>RFID is one method of Automatic Identification and Data Capture (AIDC). AIDC also includes bar codes, biometrics, magnetic strips, optical character recognition, smart cards and voice recognition.</p>
50	<p><b>D</b></p> <p>● Statement 1 is correct: The National Policy for Children (2013) reaffirms the government's commitment to the realisation of the rights of all children in the country. It recognises every person below the age of eighteen years as a child and that childhood is an integral part of life with a value of its own, and a long term, sustainable, multi-sectoral, integrated and inclusive approach is necessary for the harmonious development and protection of children.</p> <p>● Statement 2 is correct: The policy provides for the formulation of a National Plan of Action for Children and the constitution of a National Coordination and Action Group for Children to monitor the progress of implementation.</p>	52	<p><b>A</b></p> <p>This news appears on The Hindu talking about the new CRISPR technique being used to improve the human stock. Eugenics relates to measures to select/ change/ improve/discard a genotype/phenotype of an offspring in order to improve the line. It can be divided into negative and positive eugenics. Individuals can trigger negative and positive eugenic measures (personal Eugenics) or measures can be forced in different degrees onto the individual (social Eugenics).</p>
		53	<p><b>D</b></p> <p>Statement 1 is correct. The import substitution approach substitutes externally produced goods as well as services, especially basic necessities such as energy, food, and water, with locally produced ones. Statement 2 is correct. Import control, tariffs and other restrictions give boost to domestic industry. Statement 3 is correct. Defence Indigenisation is the strategy of the government to achieve substantive self reliance in the design, development and production of equipment, weapon systems,</p>

<p>54</p>	<p><b>D</b></p> <p>platforms required for defence in as early a time frame as possible.</p> <p>Agricultural, natural and manufactured goods all come under the ambit of GI. Agricultural products like Basmati, Darjeeling tea, Muga silk of Assam, Banaras brocades and saris, Malabar pepper and Vazhakulam Pineapple, Alphonso Mango, Nagpur Orange, Bikaneri Bhujia, Agra Petha to manufactured goods such as Banrasi sari, Chanderi silk, Kanchipuram Silk Sari, Kolhapuri Chappal,etc</p>	<p>and SRIJAN, Jaipurin the first phase of organizing tribal entrepreneurship and skill development program.</p> <p>TRIFED under Ministry of Tribal Affairs is establishing 1,200 "Van Dhan Vikas Kendra (VDVK)", across 28 States engaging 3.6 Lakhs Tribal Forest Produce gatherers.</p> <p>One typical VDVK comprises of 15 Self Help Groups, each consisting of 20 Tribal gatherers.</p>
<p>55</p>	<p><b>B</b></p> <p>INS Viraat is the oldest operational aircraft carrier in the world, built in 1944. INS Viraat is a good fit for two types of missions - Vboth maritime and land-based operations and conducting Anti-Submarine Warfare. The vessel's previous name was HMS Hermes when it was a part of the UK Royal Navy. It was transferred to India in 1987. In the Indian and global naval circuit, the INS Viraat is known as 'Mother'. It can also hold up to 30 combat aircraft at a time. The Indian Navy has been using it since its commissioning and it is said to be working at its best. For the last 30 years, the aircraft carrier has been through several upgrades. Now, the Indian ship, which is expecting to be decommissioned in 2017, is on a visit to Kochi in Kerala.</p>	<p><b>A</b></p> <p>Ploonet is the new word the scientific community has come up with to describe a moon that becomes a planet. A moon can become a planet if it leaves the orbit of its parent planet and takes up residence in a stable orbit around its star.</p> <p>At this point, this orbiting rock is neither a moon nor a planet, hence the term, ploonet.</p>
<p>56</p>	<p><b>D</b></p> <p>Tech for Tribals, an initiative of TRIFED supported by Ministry of MSME, aims at capacity building and imparting entrepreneurship skills to tribal forest produce gatherers enrolled under the Pradhan Mantri VanDhan Yojana(PMVDY).</p> <p>The trainees will undergo a 30 days program over six weeks comprising 120 sessions.</p> <p>This unique project aimed to transform 5 crore Tribal Entrepreneurs.</p> <p>It was launched by TRIFED and IIT-Kanpur along with IIT-Roorkee, IIM Indore, Kalinga Institute of Social Science, Bhubaneshwar</p>	<p><b>B</b></p> <p>The Union Minister for Environment, Forest and Climate Change Prakash Javadekar announced that the 13th Conference of Parties (COP) of the Convention on the Conservation of Migratory Species (CMS) of Wild Animals, an Environment Treaty Supported by United Nations Environment Programme (UNEP) was hosted by India at Gandhinagar in Gujarat, from 17th - 22nd February 2020. The Great Indian Bustard (Gibi) is chosen as official Mascot of the 13th Conference of Parties (COP) of the Conservation of Migratory Species (CMS). India has got the presidency of COP - CMS for 3 years.</p> <p><b>D</b></p> <p>The consumer protection act was passed in the year 1986. It sets up a grievance redressal system at district, state and central level. It provides for six rights to the consumer.</p> <p>(a) the right to be protected against the marketing of goods and services which are hazardous to life and property;</p> <p>(b) the right to be informed about the qual-</p>

<p>60</p>	<p>ity, quantity, potency, purity, standard and price of goods or services, as the case may be so as to protect the consumer against unfair trade practices;</p> <p>(c) the right to be assured, wherever possible, access to a variety of goods and services at competitive prices;</p> <p>(d) the right to be heard and to be assured that consumer's interests will receive due consideration at appropriate forums;</p> <p>(e) the right to seek redressal against unfair trade practices or restrictive trade practices or unscrupulous exploitation of consumers; and</p> <p>(f) the right to consumer education.</p> <p><b>C</b></p> <p>The Rurban Mission will develop a cluster of Smart Villages. Only Statement 2 in incorrect, as it is State Governments, which would identify the clusters in accordance with the Framework for Implementation prepared by the Ministry of Rural Development. The clusters will be geographically contiguous Gram Panchayats with a population of about 25000 to 50000 in plain and coastal areas and a population of 5000 to 15000 in desert, hilly or tribal areas. There would be a separate approach for selection of clusters in Tribal and Non-Tribal Districts.</p>	<p>62</p> <p><b>B</b></p> <p>The Vikas is a liquid fueled rocket engine built by Indian Space Research Organisation (ISRO). The engine is used as the second stage of both the PSLV and the GSLV launch vehicles. The GSLV MK-3 rocket uses two Vikas engines in its L110 core stage. The propellant loading for GSLV Mk-3 vikas engines is 55 tons compared to 40 tons for regular GSLV Mk-2 and PSLV rockets.</p> <p>63</p> <p><b>A</b></p> <p>Xylem and phloem are complex tissues found in plants. These cells have thick walls and many of them are dead. Xylem is involved in transport of water and minerals to different parts of the plants.</p> <p>In phloem except for fibers other cells are living. Phloem transports food from leaves to other parts of the plant.</p> <p>Phloem is in like xylem in which materials can move in both direction.</p>
<p>61</p>	<p><b>C</b></p> <p>Scurvy is a disease caused by a diet that lacks vitamin C. This may be due to ignorance, famine, anorexia, restrictive diets (due to allergies, food fads, etc.), or difficulty orally ingesting foods. Though scurvy is a very rare disease, it still occurs in some patients - usually elderly people, alcoholics, or those that live on a diet devoid of fresh fruits and vegetables. Similarly, infants or children who are on special or poor diets for any number of economic or social reasons may be prone to scurvy. Scurvy symptoms may begin with appetite loss, poor weight gain, diarrhea, rapid breathing, fever, irritability, tenderness and discomfort in legs, blood spots in the skin, bleeding gums, swell-</p>	<p>64</p> <p><b>D</b></p> <p>Materials which are least reactive or do not react at all with O<sub>2</sub> or water are used for jewelery like gold, silver, platinum.</p> <p>All these metals don't react with oxygen, and water. Also in the periodic table they all are found very close to each other and show least reactivity. Though they all are having shiny luster but luster is a physical property not chemical.</p> <p>65</p> <p><b>B</b></p> <p>NAVIC (Navigation with Indian Constellation) is India's indigenous global navigation satellite system. Consisting of a constellation of three geostationary and four geosynchronous satellites, NAVIC will facilitate</p>

<p>66</p> <p>67</p> <p>68</p>	<p>accurate real-time positioning and timing services over India and the region around it extending to 1,500km. While India is joining a club of global powers-the US, EU, China and Russia-who control their own navigation satellite systems, NAVIC's reach is regional.</p> <p><b>D</b></p> <p>Annual Refresher Programme in Teaching (ARPIT) is a unique initiative of online professional development of 15 lakh higher education faculty using SWAYAM platform.</p> <p>National Resource Centres (NRC) will be identified to prepare online training material.</p> <p>NRC will be in a mixed range of institutions such as, Central Universities, IISc, IUCAA, IITs, IISERs, NITs, IGNOU, State Universities, UGC's Human Resource Development Centres (HRDCs) and National Institutes for Technical Teachers Training.</p> <p>It will focus on latest developments in the discipline, new &amp; emerging trends, pedagogical improvements and methodologies for transacting revised curriculum.</p> <p>SWAYAM - Study Webs of Active learning for Young Aspiring Minds is a Massive Open Online Courses (MOOCs) platform launched to offer various online courses for school education and higher education.</p> <p><b>A</b></p> <p>The Government of India (GoI) and the World Bank(WB) have inked a \$ 450 million (mn) loan agreement to support Atal Bhujal Yojana (ABHY) - National Groundwater Management Improvement Program that will be implemented by the Ministry of Jal Shakti in the states of Gujarat, Maharashtra, Haryana, Karnataka, Rajasthan, Madhya Pradesh, and Uttar Pradesh (UP) and cover 78 districts.</p> <p><b>C</b></p> <p>General Audrey Azoulay Directorate General of UNESCO visited Pink City or walled city Jaipur, which in June 2019 became 38th World Heritage site in India. She pre-</p>	<p>69</p> <p>70</p> <p>71</p> <p>sented the World Heritage City certificate to Minister of Urban Development Shanti Dhariwal. In 2017, Ahmedabad became the first city of India to get the World Heritage City tag.</p> <p><b>B</b></p> <p>The pay Commission submitted its report to Finance Minister who in turn submits to the union cabinet of India headed by Prime minister.</p> <p><b>C</b></p> <p>Janani Suraksha Yojana is a safe motherhood intervention under the National Rural Health Mission (NRHM). It is being implemented with the objective of reducing maternal and neonatal mortality by promoting institutional delivery among poor pregnant women. The scheme is under implementation in all states and UTS with a special focus on Low Performing States (LPS). It is a 100% centrally sponsored scheme and it integrates cash assistance with delivery and post-delivery care. The Yojana has identified ASHA, the accredited social health activist as an effective link between the Government and the poor pregnant women in low performing states.</p> <p><b>C</b></p> <p>SMART CITIES MISSION STRATEGY:</p> <ol style="list-style-type: none"> <li>1. Pan-city initiative in which at least one Smart Solution is applied city-wide.</li> <li>2. Develop areas step- by-step.</li> </ol> <p>Three models of area based developments:</p> <ul style="list-style-type: none"> <li>● Retrofitting,</li> <li>● Redevelopment,</li> <li>● Greenfield</li> </ul> <p>The smart cities will be built as greenfield and by developing old cities as well The India Smart Cities Challenge External Website that opens in a new window is a competition designed to inspire and support municipal officials as they develop smart proposals to improve residents lives, 100 cities will compete in the first round with the best proposals receiving funding</p>
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	<p>from the Ministry of Urban Development The mission puts emphasis on participation or citizens in prioritizing and planning in urban intervention.</p>	
<p><b>72</b></p>	<p><b>B</b></p> <p>The power to declare an area 'disturbed' lies with the Governor or the Central Government, who have to form an opinion that the use of armed forces in the aid of civil power is essential and then notify it as 'disturbed area'. The declaration of an area as a 'disturbed area' is for a limited duration and review of the declaration before the expiry of six months has to be undertaken by the executive. The 1972 amendments to AFSPA extended the power to declare an area disturbed to the Central Government whereas in the 1958 version of AFSPA, only the state Governor had the Power</p>	<p>nity, Earth Hour was famously started as a lights out event in Sydney, Australia in 2007.</p> <p>The event encourages people to switch off the lights from 8.30 pm to 9.30 pm as per their local time.</p> <p><b>76</b></p> <p><b>C</b></p> <p>OLEDs are solid-state devices composed of thin films of organic molecules that create light with the application of electricity.</p> <p>The LCD is currently the display of choice in small devices and is also popular in large-screen TVs. Regular LEDs often form the digits on digital clocks and other electronic devices. OLEDs offer many advantages over both LCDs and LEDs:</p> <p>The plastic, organic layers of an OLED are thinner, lighter and more flexible than the crystalline layers in an LED or LCD.</p> <p>OLED substrates can be plastic rather than the glass used for LEDs and LCDs.</p> <p>OLEDs are brighter than LEDs. Because the organic layers of an OLED are much thinner than the corresponding inorganic crystal layers of an LED, the conductive and emissive layers of an OLED can be multi-layered. Also, LEDs and LCDs require glass for support, and glass absorbs some light. OLEDs do not require glass.</p> <p>OLEDs do not require backlighting like LCDs. LCDs work by selectively blocking areas of the backlight to make the images that you see, while OLEDs generate light themselves.</p> <p>Because OLEDs do not require backlighting, they consume much less power than LCDs (most of the LCD power goes to the backlighting). This is especially important for battery-operated devices such as cell phones.</p> <p>OLEDs have large fields of view, about 170 degrees. Because LCDs work by blocking light, they have an inherent viewing obstacle from certain angles. OLEDs produce their own light, so they have a much wider viewing range.</p>
<p><b>73</b></p>	<p><b>D</b></p> <p>The Berlin-based corruption watchdog Transparency International (TI) released this report. It is the global civil society organisation leading the fight against corruption.</p>	
<p><b>74</b></p>	<p><b>C</b></p> <p>During the Portugal's president Mr Marcelo Rebelo de Sousa visit to India One of the MoU is to develop a world class National Maritime Heritage Complex (NMHC) at Lothal, Gujarat with the cooperation from the Republic of Portugal. It will pay the way for cooperation between the two countries for showcasing common Maritime Heritage.</p>	
<p><b>75</b></p>	<p><b>C</b></p> <p>The Earth Hour for the year 2020 is celebrated virtually due to the COVID-19 pandemic.</p> <p>Earth Hour</p> <p>Earth Hour, organized by WWF, is a global grassroots movement uniting people to take action on environmental issues and protect the planet.</p> <p>Engaging a massive mainstream commu-</p>	

<p><b>77</b></p> <p><b>78</b></p> <p><b>79</b></p> <p><b>80</b></p>	<p>OLED seems to be the perfect technology for all types of displays, but it also has some problems:</p> <p>Short Lifetime</p> <p>Expensive Manufacturing processes</p> <p>Water can easily damage OLEDs.</p> <p><b>C</b></p> <p>Atoms of the same element having same atomic number but different mass number are known as isotopes. For eg. <math>^{12}\text{C}</math> and <math>^{14}\text{C}</math>.</p> <p>Isotopes have same number of protons and electrons but different number of neutrons. Isotopes, having same number of electrons, have same chemical properties but different physical properties.</p> <p><b>C</b></p> <ul style="list-style-type: none"> <li>● In order to utilise and harness the benefits of Cloud Computing, Government of India has embarked upon an ambitious initiative 'GI Cloud' which has been named as 'MeghRaj'.</li> <li>● The focus of this initiative is to accelerate delivery of e-services in the country while optimizing ICT spending of the Government. This will ensure optimum utilization of the infrastructure and speed up the development and deployment of e-Gov applications.</li> <li>● The architectural vision of GI Cloud encompasses a set of discrete cloud computing environments spread across multiple locations, built on existing or new (augmented) infrastructure, following a set of common protocols, guidelines and standards issued by the Government of India.</li> </ul> <p><b>A</b></p> <p>A change in which one or more new substances are formed is called a chemical change. A chemical change is also called a chemical reaction. All new substances are formed as a result of chemical changes.</p> <p><b>C</b></p> <p>In a chemical reaction, number of electrons, protons and neutrons are conserved. There</p>	<p>can be more number of molecules. So, molecules may change. Also, no. of moles can be changed.</p> <p>But, total Atomic number and atomic weight are directly related to protons and neutrons.</p> <p><b>81 B</b></p> <p>Asexual reproduction preserves the genetic information; therefore there is hardly any possibility of formation of unique genetic makeup, which is possible only if there variations are possible. On the other hand, sexual reproduction allows variation and therefore unique genetic makeup.</p> <p>Genetic engineering involves alteration the DNA of an organism with an aim to alter one or more traits in that organism.</p> <p>Hence, Option B is correct.</p> <p><b>82 A</b></p> <p>The Advanced Technology Vehicle (ATV), a sounding rocket (research rocket) with a solid booster carrying advanced scramjet engines has been successfully tested by ISRO. This first experimental mission of Indian Space Research Organisation is aimed at the realisation of an Air Breathing Propulsion System which uses hydrogen as fuel and oxygen from the atmosphere air as the oxidiser. With this, India became the fourth country to demonstrate the flight testing of a scramjet engines. This mission is a milestone for ISRO's future space transportation system.</p> <p><b>83 B</b></p> <p>Thorium is more abundant in nature than uranium. It is fertile rather than fissile, and can only be used as a fuel in conjunction with a fissile material such as recycled plutonium or uranium. Two-thirds of monazite is found in heavy mineral sands deposits on the south and east coasts of India</p> <p><b>84 B</b></p> <p>Neutrinos are subatomic particles produced by the decay of radioactive elements. They are similar to the more familiar electron,</p>
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<p>85</p> <p>86</p>	<p>with one crucial difference: neutrinos do not carry electric charge Neutrino has non-zero rest mass.</p> <p>Neutrinos travel at almost exactly the speed of light.</p> <p><b>D</b></p> <p>The satellites particularly in the LEO are subject to a drag produced by an atmosphere due to frequent collisions between the satellite and surrounding air molecules. The amount of this drag keeps increasing or decreasing depending upon several factors including the solar activity. It increase the heat of the upper atmosphere. This drag in a long duration causes a reduction in the altitude of a satellite's orbit which is called orbital decay. So, the major cause of the orbital decay is Earth's atmosphere. The result of the drag is increased heat and possible re-entry of satellite in atmosphere causing it to burn. Lower its altitude drops and the lower the altitude, the faster the decay. Apart from atmosphere, the tides can also cause orbital decay, when the orbiting body, is large enough to raise a significant tidal bulge on the body, it is orbiting and is either in a retrograde orbit or is below the synchronous orbit. Moon Phobos is one of the best examples of this. Whenever, two masses orbit each other, the combined effect of the space-time curvature of the moving objects produces gravitational waves which carry away orbital energy. For small masses this effect is negligible, but for very massive objects like black holes and neutron stars the energy carried away can be rapid enough to cause their orbits to spiral in on each other, eventually merging the two masses. Thus, gravitation is also a cause behind the orbital decay.</p> <p><b>C</b></p> <p>The ILP is a special permit required to enter certain restricted areas in the country - usually states close to the international border. Indian citizens require an ILP to enter states such as Arunachal Pradesh, Nagaland and Mizoram. The system was first introduced by the British, restricting entry into these areas to protect their commercial interests. Manipur has been in</p>	<p>87</p> <p>88</p> <p>89</p> <p>turmoil for a long time now, demanding the ILP system be extended to it.</p> <p><b>C</b></p> <p>The Amazon rainforest is a moist broadleaf tropical rainforest in the Amazon biome that covers most of the Amazon basin of South America. The majority of the forest is contained within Brazil, with 60% of the rainforest, followed by Peru with 13%, Colombia with 10%, and with minor amounts in Venezuela, Ecuador, Bolivia, Guyana, Suriname and French Guiana.</p> <p><b>C</b></p> <p>Incheon Strategy is an agenda for empowerment of person with disability. The United Nations Economic and Social Commission for Asia and the Pacific (ESCAP) has a long history of working to improve the rights of persons with disabilities. Since 1993, when it launched its first Asian and Pacific Decade on the Rights of Persons with Disabilities (1993-2002), it has consistently demonstrated leadership in this important area. The second decade, 2003-2012, continued this process, culminating in what is now known as the Incheon Strategy to "Make the Right Real" for Persons with Disabilities in the Asia Pacific Region, or simply, the Incheon Strategy.</p> <p><b>B</b></p> <ul style="list-style-type: none"> <li>● Statement 1 is not correct: While the 'workplace' in the Vishaka guidelines is confined to the traditional office set-up where there is a clear employer-employee relationship, the Act goes much further to include organisations, departments, offices, branch units, etc., in the public and private sectors (organised and unorganised), hospitals, nursing homes, educational institutions, sports institutes, stadiums, sports complex and any place visited by the employee during the course of employment including the transportation.</li> <li>● Statement 2 is correct: The redressal mechanism provided in the Act is in the form of Internal Complaints Committee (ICC) and Local Complaints Committee (LCC). All workplaces employing 10 or more than 10 workers are mandated under the</li> </ul>
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<p><b>90</b></p>	<p>Act to constitute an ICC. The ICC will be a four-member committee under the Chairpersonship of a senior woman employee and will include two members from amongst the employees preferably committed to the cause of women or has experience in social work/legal knowledge and includes a third party member (NGO, etc) as well.</p> <p><b>A</b></p> <p>The horticulture sector includes a wide range of crops, such as fruits, vegetables, roots and tuber crops, flowers, aromatic and medicinal plants, spices, and plantation crops, which facilitate diversification in agriculture. National Horticulture Mission (NHM) is an Indian horticulture Scheme promoted by Government of India. It was launched under the 10th five-year plan in the year 2005-06. While Government of India contributes 85%, 15% share is contributed by State Governments. Mission for Integrated Development of Horticulture (MIDH) for Implementation National Horticulture Mission is a centrally sponsored scheme under which National Horticulture Mission (NHM) sub-scheme is implemented. While the NHM scheme will be focusing on 18 States and UTs, the Horticulture Mission for North East and Himalayan States (HMNEH) scheme will cover all States in the North East and Himalayan region of the country. The scheme is not available on Coconut and Bamboo. The National Bamboo Mission (NBM) will address developmental issues on bamboo, whereas the Coconut Development Board (CDB) schemes will focus on development of the coconut sector.</p>	<p>access to basic and higher level education.</p> <p>3. political empowerment --outcomes on representation in decision making structures.</p> <p>4. Health and survival-- outcomes on life expectancy and sex ratio. Among BRICS grouping, India has the lowest rank while South Africa is on top</p> <p><b>A</b></p> <p>The government think tank NITI Aayog rolled out 'Performance on Health Outcomes' index that will rank various States on the basis of their performance on measurable health indicators. It [the index] is meant to capture the annual incremental improvements by States, rather than focus on historical achievements. This initiative is envisioned to bring about the much required improvements in social sector outcomes, which have not kept pace with the economic growth in this country. It will be used to propel action in the States to improve health outcomes and improve data collection systems. The health index will assist in State-level monitoring of performance, serve as an input for providing performance-based incentives and improvement in health outcomes. It includes indicators in the domains of health outcomes governance and information and a few key inputs and processes.</p>
<p><b>91</b></p>	<p><b>C</b></p> <p>Through the Global Gender Gap Report, the World Economic Forum quantifies the magnitude of gender based disparities and tracks their progress over time. The report examines four critical areas of inequality between men and women .These are:</p> <ol style="list-style-type: none"> <li>1. Economic participation and opportunity - outcomes on Salaries, participation levels and access to high-skilled employment.</li> <li>2. Educational attainment- -outcomes on</li> </ol>	<p><b>93</b></p> <p><b>C</b></p> <p>India's biggest rural technical festival 'Antahpragnya 2020' was held in Rajiv Gandhi University of knowledge Technologies (RGUKT), Basar, Nirmal district, Telangana and the festival was inaugurated by M Prashanthi, District Collector of Nirmal, Telangana. The festival was held for 3 days from 31st January to February 1,2020. The theme for the year 2020 was "Spot and encourage rural tech innovators". The festival displays 300 prototypes, working models, exhibits technologies such as automatic switch for water, homemade electricity, smoke absorber, automatic street lighting system, smart dustbins, zero budget farming, automatic irrigation etc.</p>

<p><b>94</b></p>	<p><b>B</b></p> <p>The novel coronavirus disease that emerged in Wuhan, China, in the final days of 2019, is now(as of April 26,2020) in at least 211 countries around the world, spanning every continent except Antarctica. WHO has declared it a Pandemic on March 11,2020. Pandemic is the worldwide spread of a new disease for which humans have not developed immunity. WHO on January 30,2020 declared it as a "Public Health Emergency of International Concern". It has been described as "insidious" because a large portion of infected people are well enough to go about their daily business, potentially spreading it to others.</p>	<p><b>98</b></p>	<p>(LIS) and Geographical Information System (GIS) applications.</p> <p><b>D</b></p> <p>Magnifying glass is a type of lens. The other name for convex lens is magnifying GLASS. It is also called as converging lens. The size of the virtual image of an object seen through this lens is increased. Concave lens is called diverging lens. The size of the virtual image of an object seen through this lens is diminished</p>
<p><b>95</b></p>	<p><b>C</b></p> <p>Facebook launched "We Think Digital" Programme to provide digital literacy training to 1 lakh women across 7 states, including Uttar Pradesh (UP), West Bengal &amp; Bihar. It has been launched in partnership with National Commission for Women (NCW) and Cyber Peace Foundation.</p>	<p><b>99</b></p>	<p><b>D</b></p> <p>National Academy of Agricultural Sciences (NAAS) describes nanotechnology as modern history's "sixth revolutionary technology" in its policy paper "Nanotechnology in Agriculture: Scope and Current Relevance". The potential uses of nanotechnology in the farm sector are many and quite varied. The notable ones that can be tapped in the near future include: (i) Nanoforms zeolites for slow release and efficient dosage of water and fertilizers for plants; drugs for livestock; nanocapsules and herbicide delivery (ii) Nanosensors for soil quality and for plant health monitoring; nanosensors for pests detection (iii) Nanomagnets for removal of soil contaminants and (iv) Nanoparticles for new pesticides, insecticides, and insect repellents. It has even been used in laboratories to produce "vegetarian" chicken or goat meat that has the same taste, texture and nutrition as actual meat. Designer eggs have also been produced.</p>
<p><b>96</b></p>	<p><b>C</b></p> <p>The capacity to generate a whole plant from any cell/explant is called totipotency. The nutrient medium must provide a carbon source such as sucrose and also inorganic salts, vitamins, amino acids and growth regulators like auxins, cytokinins etc. By application of these methods, it is possible to achieve propagation of a large number of plants in very short durations. This method of producing thousands of plants through tissue culture is called micropropagation</p>	<p><b>100</b></p>	<p><b>A</b></p> <p>An incandescent light bulb, incandescent lamp or incandescent light globe is an electric light with a wire filament heated to a high temperature, by passing an electric current through it, until it glows with visible light. The hot filament is protected from oxidation with a glass or quartz bulb that is filled with inert gas or evacuated. It converts electric energy to light and heat energy. A light-emitting diode (LED) is a two-lead semiconductor light source. It is a p-n junction diode, which emits light when activated. It also converts electric energy to light energy.</p>
<p><b>97</b></p>	<p><b>C</b></p> <p>The Cartosat-2 series satellite is the satellite carried by PSLV-C37. This satellite is similar to the earlier Cartosat-2, 2A and 2B. The imagery of Cartosat-2 series satellite will be useful in cartographic applications, urban and rural applications, coastal land use and regulation, utility management like road network monitoring, water distribution, creation of land use maps, precision study, change detection to bring out geographical and manmade features and various other Land Information System</p>		

*For further clarifications and feedback feel free to write to us at "testseriesrcr@gmail.com"*