

NEWSPAPER HIGHLIGHT

The Total Fertility Rate (TFR), an average number of children per woman, has further declined from 2.2 to 2.0 at the national level between National Family Health Survey (NFHS) 4 and 5. There are only five States — Bihar (2.98), Meghalaya (2.91), Uttar Pradesh (2.35), Jharkhand (2.26) Manipur (2.17) — in India which are above replacement level of fertility of 2.1 as per the national report of the NFHS5. The other key highlights of the survey include institutional births increased from 79% to 89% across India and in rural areas around 87% births being delivered in institutions and the same is 94% in urban areas. As per results of the NFHS5, more than three fourths (77%) children aged between 12 and 23 months were fully immunised, compared with 62% in NFHS4.

SpaceX brought four astronauts home with a midnight splashdown in the Gulf of Mexico on Friday, capping the busiest stretch yet for Elon Musk's taxi service. Elon Musk's company has now launched 26 people into orbit in less than two years, since it started ferrying astronauts for NASA. Eight of those 26 were space tourists.

The European Commission has proposed changes to its planned embargo on Russian oil in a bid to win over reluctant states. The tweaked proposal, which EU envoys were discussing at a meeting on Friday morning, includes giving Hungary, Slovakia and the Czech Republic more time to adapt to the embargo, and help with upgrading their own oil infrastructure.

The U.S. says it shared intelligence with Ukraine about the location of the Russian missile cruiser Moskva before the strike that sank the warship, a high profile embarrassment for Russia's military, but the Pentagon denied that it played a direct role in the strike.

Sri Lankan President Gotabaya Rajapaksa declared an Emergency, for the second time in little over a month, amid escalating citizens' protests, and massive trade union action, in the wake of an unprecedented economic crisis.

The Supreme Court referred to a Constitution Bench the battle between the Centre and Arvind Kejriwal led Delhi government for

SHIGELLA

1. The Kerala health department identified Shigella bacteria as the cause for the food poisoning incident in Kasaragod. **Shigella bacteria belongs to the enterobacter family - a group of bacteria that reside in the intestine, not all of which cause disease in humans. It causes a food- and water-borne infection that mainly affects the intestine and results in diarrhoea, sometimes bloody, stomach pain, and fever.**

2. Spread - The infection spreads easily as it takes only a small number of bacteria to make someone ill. It can happen when someone consumes contaminated food, unwashed fruit or vegetables. It is easily spread by direct or indirect contact with the excrement of the patient. Shigellosis is not a very common infection like the typhoid and cholera.

3. Types - There are four types of Shigella bacteria that affect humans - Shigella sonnei, S. flexneri, S. boydii, and S. dysenteriae. The fourth type causes the most severe disease because of the toxin it produces. But it is not common for people to die of the infection, unless the patient has a weak immune system or the pathogen is resistant to the antibiotics that are prescribed or Shigella outbreaks appear to be exacerbated during pregnancy and in children under 5 years of age.

4. Treatment - Shigellosis is a very treatable condition; if a patient reaches hospital on time they can effectively be treated using IV antibiotics. The problem though, occurs when the antibiotics do not work because the bacteria are resistant to it.

5. Problem - If the bacteria continue to proliferate in the body even after giving the antibiotics, it will continue to produce toxins that can affect all other organs. These toxins can then affect the kidney, cause seizures, lead to multi-organ failure, and shock, and even turn fatal. The mortality of the infection is less than 1%.

6. Precautions - The measures to prevent a Shigella infection are the same as that of any other food- and water-borne infection - be hygienic. Products such as milk, chicken, and fish can get infected easily and must be kept at a proper temperature. They must also be properly cooked.

NATIONAL FILM HERITAGE MISSION

1. Under the National Film Heritage Mission (NFHM), the world's largest film restoration project of approximately 2,200 films is set to commence in full swing at National Film Archive of India (NFAI). The National Film Heritage Mission is an initiative of the Ministry of Information & Broadcasting (I&B) to preserve and conserve country's cinematic heritage.

2. **Launched in 2017, NFHM is the prestigious mission of Government of India, for preservation, conservation, digitization and restoration of rich cinematic heritage of the country. In addition to restoration,** the National Film Heritage Mission also involves the on-going preservation processes of film condition assessment, preventive conservation and digitization.

3. The National Film Archive of India (NFAI) is the nodal organization for the implementation of this project. National Film Archive of India It was set up in 1964 as a media unit of the Ministry of Information & Broadcasting.

4. The primary objective of the NFAI is to acquire and preserve the Indian cinematic heritage. This includes preservation of film and non-film material including but not limited to celluloid, stills, glass slides, posters, lobby cards, scripts and song booklets.

FRILLED SHARK

1. The prehistoric frilled shark has 300 teeth and a long and slim body. The frilled shark has been swimming in the depths of the ocean since the time of the dinosaurs. It is often called a "living fossil" because in the 80 million years they've been known to live on earth, the fish have barely changed.

2. With 300 teeth, the shark - distant cousin of other sharks like the great whites - was described as being "reminiscent of a

control over bureaucrats in the Capital. A three judge Bench led by Chief Justice of India N.V. Ramana said the tussle between the Union and Delhi governments over the limited question concerning 'services' or bureaucracy required an authoritative pronouncement by a five judge Bench of the Court.

China sent 18 warplanes including fighters and bombers into Taiwan's air defence zone on Friday, the island's government said, in the second largest one day incursion this year.

The India Meteorological Department (IMD) on Friday predicted that a cyclonic storm is likely to move towards Odisha and north Andhra Pradesh by May 10. The IMD issued a bulletin saying that a low pressure area lay over the South Andaman Sea and adjoining Southeast Bay of Bengal on Friday morning. "It is likely to move north westwards and intensify into a depression over southeast Bay of Bengal by May 7 evening and into a cyclonic storm over east central Bay of Bengal by May 8 evening.

The Government of India continued its push for better ties with Europe, as External Affairs Minister S. Jaishankar met Italian Foreign Minister Luigi Di Maio in Delhi on Friday. Chief on the agenda, as has been the case during Prime Minister Narendra Modi's tour to Germany, France, as well as to Denmark for the Nordic Summit, was the Ukraine issue, climate change cooperation, and space cooperation between the two countries.

The mission to Venus is likely to cost between ₹500 crore and ₹1,000 crore depending on the level of instrumentation, said S. Somanath, chairman, Indian Space Research Organisation (ISRO), on Friday. Although 2024 has been doing the rounds as the likely year for the ISRO's Venus mission, the space agency can announce a schedule only after the Indian government gives the go ahead for the mission, said Mr. Somanath.

Four States (Rajasthan, Jharkhand, West Bengal and Manipur) had passed laws against lynching after many such incidents but they were under various stages of implementation with the Union government taking the view that lynching is not a crime under the Indian Penal Code. While civil society in Madhya Pradesh must demand justice for the injured and dead tribal men and a return to the rule of law in which such murderous acts do not go unpunished.

Heatwaves, exacerbated by climate change, are embroiling regions of

snake". Its intimidating teeth and knowledge of the creature suggests they pose the biggest threat to other fish - having a hinged jaw to catch larger prey.

3.Habitat - It has been found in waters across the Atlantic and in waters off the coasts of Japan and Australia. But because the shark lives in extreme depths and is actually rarely caught, scientists are unsure of how many there are in population.

4.The International Union for the Conservation of Nature lists the frilled shark as a species of least concern. But it was noted that increasing deep water commercial fishing could in fact increase the likelihood of the frilled shark becoming an unwanted catch.

WORLD PRESS FREEDOM INDEX 2022

1.Recently, the 20th edition of the World Press Freedom Index (WPF) 2022 was published. It is published by the global media watchdog, the Reporters Without Borders or Reporters Sans Frontieres (RSF) since 2002. It ranks countries and regions according to the level of media freedom available to journalists.

2.It is based on an evaluation of media freedom that measures pluralism, media independence, media environment and self-censorship, transparency, and the legal framework and the safety of journalists. It is also based on the quality of the infrastructure that supports the production of news and information. It includes indicators of level of media freedom violations in each region.

3.Methodology - The Index's ranking is based on a score ranging from 0 to 100 that is assigned to each country or territory. 100 is the best possible score (the highest possible level of press freedom) and 0 is the worst. Countries are evaluated using five contextual indicators - political context, legal framework, economic context, socio-cultural context and safety.

4.Findings - India's ranking in the 2022 World Press Freedom Index has fallen to 150 out of 180 countries. In terms of global trends, the report flags a two-fold increase in polarisation amplified by information chaos Media polarisation fuelling divisions within countries, and Polarisation between countries at the international level.

5.The report states that in India, "the violence against journalists, the politically partisan media and the concentration of media ownership all demonstrate that press freedom is in crisis". It describes India as one of the world's most dangerous countries for the media.

6.It notes that the journalists are exposed to all kinds of physical violence including police violence, ambushes by political activists, and deadly reprisals by criminal groups or corrupt local officials. It highlights that "supporters of Hindutva, the ideology that spawned the Hindu far-right, wage all-out online attacks on any views that conflict with their thinking."

E-BAND

1.Tech companies opposed the Digital Communications Commission's (DCC) decision to allocate 'E band' airwaves exclusively to mobile carriers via the administrative route is in direct conflict with the DCC's position to open up this spectrum band.

2.The E-band is a major solution of 5G's microwave transmission. The waveguide E band is the range of radio frequencies from 60 GHz to 90 GHz in the electromagnetic spectrum. This range of radio frequencies corresponding to the recommended frequency band of operation of WR12 waveguides.

3.These frequencies are equivalent to wave lengths between 5 mm and 3.333 mm. The E band is in the Extremely high frequency (EHF) range of the radio spectrum.

FSSAI'S RATING

1.The "health star rating" system that the Food Safety Standards Authority of India (FSSAI) plans to adopt in order to help consumers reduce their intake of unhealthy foods has been opposed by close to a dozen consumer and health advocacy groups.

2.About FSSAI's Star Rating: In February 2022, the FSSAI decided to adopt the "health-star rating system", which gives a product 1/2 a star to 5 stars, in its draft regulations for front of package labelling (FOPL). It aims to help consumers reduce their intake of unhealthy foods. The HSR format ranks a packaged food item based on salt, sugar, and fat content and the rating will be printed on the front of the package.

3.The underlying premise of the HSR is that positive ingredients

India in a downward spiral, and the situation is projected to get worse. Outdoor labourers are especially hammered by the relentless heat. Tying cash transfers and insurance schemes to State and local green investments will not only provide some financial cover for outdoor workers but also motivate small-scale investments in much needed resilience to heatwaves.

The situation along the Line of Actual Control (LAC) was stable but in a state of “heightened alert” and to make sure that there was no irritant that was likely to become a violent situation, firstly at the lower level (battalion and brigade level), various channels of communication have been opened up. Also, the system of body push has been stopped to ensure that there was no physical contact, the GOCinC, Northern Command, Lt. Gen. Upendra Dwivedi, said.

such as fruits and nuts can offset negative nutrients such as calories, saturated fat, total sugar, sodium to calculate the number of stars ascribed to a product.

4.Need for HSR: A lot of Indian consumers do not read the information available at the back of the packaged food item. Also, India has a huge burden of non-communicable diseases that contributes to around 5.87 million (60%) of all deaths in a year. HSR will encourage people to make healthy choices and could bring a transformational change in the society.

5.Some experts opposed the use of the HSR model in India, suggesting that consumers might tend to take this as an affirmation of the health benefits rather than as a negative warning of ill effects. Impact on Sale: Certain organisations fear it might affect the sale of certain food products. FSSAI: FSSAI is an autonomous statutory body established under the Food Safety and Standards Act, 2006 (FSS Act).