

## Testwale Current Affairs PDF

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### **1. National Commission for Women launched Digital Shakti 4.0 ( Nov. 16, 2022 )**

Digital Shakti 4.0

The **National Commission for Women (NCW)** launched the **fourth phase of Digital Shakti Campaign**, a pan-India project on digitally empowering and skilling women and girls in cyberspace on 15 November.

#### **Important facts**

- Digital Shakti 4.0 focuses on making women digitally proficient and aware to stand against any illegal/inappropriate activity online.
- The National Commission for Women launched it in association with **Cyberpeace Foundation and META**.
- The launch was followed by an interactive panel discussion on "**Combating Online Cyber-enabled Human Trafficking and Other Forms of Online Violence**".

#### **Third phase of Digital Shakti**

- The third phase of the program was launched in **Leh in March 2021** by the Chairperson of the National Commission for Women in the presence of Lieutenant Governor **Radha Krishna Mathur** and Ladakh MP **Jamyang Tsering Namgyal**.
- In the third phase, a resource center was developed to provide information on all the ways a woman can report when she faces a cybercrime.

#### **About Digital Shakti**

- Digital Shakti was launched in **June 2018** to raise awareness and help women on the digital front across the country.
- Through this project, more than **3 lakh women** across India have been sensitised regarding cyber security tips and tricks.
- It is helping women with reporting and redressal mechanisms, data privacy and use of technology for their benefit.

Chairperson of the National Commission for Women - **Rekha Sharma**

### **2. NASA launches its Artemis 1 mission from Kennedy Space Centre, Florida ( Nov. 16, 2022 )**

NASA launches its Artemis 1 mission

The US space agency **NASA** launched its **Artemis 1 mission** on 16 November, 2022 from **Kennedy Space Centre, Florida**.

### **Important facts**

- About eight minutes after launch, the **core stage's engines** cut off and the core stage separated from the rest of the rocket.
- After this, the Orion spacecraft was propelled by the **Interim Cryogenic Propulsion Stage (ICPS)**.
- NASA also deployed the four solar arrays of the **Orion spacecraft**.
- After completing "translunar injection", Orion separated itself from the ICPS and is now on its way to **lunar orbit**.

### **About Artemis 1 mission**

- For the first time in **50 years** since the end of the **Apollo program**, the launch of Artemis 1 is an ambitious US mission to return astronauts to the surface of the Moon.
- The Artemis 1 launch will also be the **first flight of NASA's 21st century moon-exploration program**.
- With Artemis 1 on the surface of the Moon, NASA aims to demonstrate new technologies, business approaches and capabilities that are essential for future explorations, including **Mars**.
- The launch aims to further aid in the study of the **Moon, its origin and history**.

### **ISRO's Moon Exploration Mission**

- Chandrayaan 1
- Chandrayaan-2
- The Indian Space Research Organization (ISRO) recently announced India's third lunar mission Chandrayaan-3, which will consist of a lander and a rover.

### **3. Britain approves three thousand work visas for young Indian professionals ( Nov. 16, 2022 )**

Britain approves three thousand work visas

On November 16, 2022, the **United Kingdom government** approved **three thousand visas** for young professionals **from India** to work in the country every year.

### **Important facts**

- This visa is done under the **UK-India Migration and Mobility Partnership Agreement** which was signed in 2021.

- India is the first country to benefit from such a scheme.
- The UK government has approved the UK-India Young Professionals Scheme which offers **3,000 visas to Indian graduates** aged 18-30 years to live and work in the UK for up to two years.
- The announcement was made hours after British Prime Minister **Rishi Sunak** met Prime Minister **Narendra Modi** on the sidelines of the **17th edition** of the G20 Summit in Bali.

### **UK-India Migration and Mobility Partnership Agreement**

- The Union Cabinet approved the signing of Memorandum of Understanding (**MoU**) on Migration and Mobility Partnership in 2021 between India and the United Kingdom.
- The objective of the agreement is to liberalize the issuance of visas promoting the mobility of students, researchers and skilled professionals and to strengthen cooperation between the two sides on issues related to irregular migration and human trafficking.

### **About United Kingdom**

- It is an island country located off the northwestern coast of **mainland Europe**.
- Prime Minister - **Rishi Sunak**
- Capital - **London**
- Currency - **British pound**
- Head of State - **King Charles III**

### **4. Union Agriculture Minister inaugurates first Greenfield Farm Machinery Plant in MP ( Nov. 16, 2022 )**

first greenfield farm machinery plant

Union Agriculture Minister **Narendra Singh Tomar** on 15 November, 2022 inaugurated the **first greenfield farm machinery plant** of Mahindra & Mahindra at **Pithampur in Madhya Pradesh**.

#### **Important facts**

- This new farm machinery plant is capable of manufacturing affordable and accessible farm machinery equipment under the Mahindra and Swaraj brands.
- The plant will also manufacture products for export to global markets in **Asia, Africa, Europe and the America**.
- The facility is capable of manufacturing a range of new products designed at Mahindra's Global Centers of Technology Excellence in **Finland, Japan and Turkey**.

- The plant is spread over 23 acres and can manufacture **1,200 combine harvesters** and **3,300 rice transplanters** per year.
- The establishment of this plant is likely to provide employment to about 1,100 people.
- Mahindra has been one of the leading tractor manufacturing companies globally.
- In fact, in the first half of the financial year **2022-23**, the company sold **2,52,844 tractors** in the country, which was **12 percent** more than the previous one.

### **What is a Greenfield Project?**

- It refers to an investment in a building, office, or other physical company-related structure or group of structures where no prior facilities exist.

### **5. Jeff Bezos Amazon Company becomes the first company in history to lose \$1 trillion market capitalisation ( Nov. 15, 2022 )**

Amazon lose \$1 trillion market capitalisation

Jeff Bezos's company [Amazon](#) has become the first publicly listed company in the world to lose a trillion dollars in market value as a combination of fear of recession, rising inflation, tightening monetary policies and slowdown in the earnings updates triggered a historic selloff in the stock.

Shares in the e-commerce and cloud company have been declining in October and November month pushing its market value to about \$879 billion from a record close at \$1.88 trillion in July 2021.

The **Big five Tech** companies of America, **Intel, Microsoft, Alphabet (owner of Google), Meta (formerly Facebook)** and **Amazon** share prices are falling in the United States as their growth prospects look uncertain in an economy plagued by fear of recession.

The top five US technology companies by revenue have lost nearly \$4 trillion in market value this year.

In October 2022, Amazon projected the slowest revenue growth for a holiday quarter in the company's history as shoppers reduce their spending in the face of economic uncertainty. That sent its market value below \$1 trillion for the first time.

### **What is Market capitalisation or M-cap?**

Market capitalisation refers to the total number of **free floating shares of a company in the market** multiplied by the **current market price of each share**.

### **Explanation**

Suppose there is a company called Tata motors and its promoter is Mr Ratan Tata. The company has 100 shares and all the shares of the company are with Ratan Tata. Ratan Tata decides that he needs money. He decided to sell 20 shares of Tata motors to the public through the Tata Motors Initial Public offering (IPO) at Rs 10 per share. People will buy the

shares and the Tata motors company will be listed on an Indian Stock Exchange like BSE after the completion of the process.

Now Ratan Tata has only 80 shares of the company.

Keep in mind only 20 shares of the company will be listed on BSE as the company has sold only 20 shares to the public. In Stock market language it will be said that the Tata motors **free float is 20 shares** not 100.

Now suppose the price of the Tata motors in the market is Rs 100 then the Market capitalization of the Tata Motors will be: **Free floating share of the company X market price of the company's single share.**

Thus it will be 20X Rs 100= Rs 2000

### **Types of Market capitalisation**

In India on the basis of market capitalization companies are classified into Large Cap, Mid-Cap and Small Cap. Here cap means **capitalisation.**

Publicly listed companies which have a market capitalization of **Rs 20,000 crore or more** are called as **Large Cap companies.**

**Mid-Cap:** Publicly listed companies which have a market capitalization of **less than Rs 20,000 crores** and **up to Rs 5000 crore.**

**Small Cap:** Publicly listed companies which have a market capitalization of less than Rs 5,000 crores.

## **6. INDO - US Joint training Exercise "YUDH ABHYAS 2022" to commence in Uttarakhand ( Nov. 15, 2022 )**

Yudh Abhyas 22

The **18th edition** of Indo-US joint training exercise "Yudh Abhyas 22" will be held in **Auli, Uttarakhand** in November 2022.

### **Important facts**

- The 'Yudh Abhyas' between **India and the US** is held annually with the aim of exchanging best practices, strategies, techniques and procedures between the armies of the two countries.
- The previous edition of this exercise was conducted in **October 2021** at **Joint Base Elmendorf Richardson, Alaska (USA).**
- The US Army soldier from the **2nd Brigade** of the **11th Airborne Division** and **Indian Army soldier** from the **Assam Regiment** will participate in the exercise.
- The training schedule focuses on employment of an integrated battle group under **Chapter VII of the UN Mandate.**

- The training program will cover all functions related to **peacekeeping and peace enforcement**.
- Soldiers of both the countries will work together to achieve common objectives. The joint exercise will also focus on **Humanitarian Assistance and Disaster Relief (HADR)** operations.
- Troops of both the countries will practise launching quick and coordinated relief efforts in the wake of any natural calamity.
- The exercise was **started in 2004** under the **US Army Pacific Partnership Program**.

### **Other Exercises between India and the USA**

- **Exercise Tiger Triumph** - Humanitarian Assistance and Disaster Relief exercise
- **Exercise Vajra Prahar** - Special Forces' Exercise
- **Cope India** - Air Force
- **Malabar Exercise** - Quadrilateral naval exercise of India, USA, Japan and Australia
- **Red Flag** - US' multilateral air exercise

### **7. World Population crosses 8 billion on 15 November 2022: United Nations ( Nov. 15, 2022 )**

World Population crosses 8 billion

According to the United Nations (UN) the world human population has crossed the **8 billion mark** on **15 November 2022** and it is expected to grow to 10.4 billion by 2080's. The United Nations attributed the rise in population to a gradual increase in human longevity due to improvements in public health, nutrition, personal hygiene, and medicine.

#### **Historical growth of Human Population**

- According to the UN Population Fund , it took **12 years** for the global population to go from 7 billion to 8 billion.
- In less than 100 years since 1930, the world population has grown four times.
- The global human population crossed the billion milestone in 1804 and it took another 126 years to cross the 2 billion population mark in 1930.
- It crossed the 3 billion mark in the next 30 years, 4th billion in the next 14 years and the 5th billion in the next 13 years.
- The annual population growth rate was highest between 1963 and 1972, at over 2 per cent.
- The growth rate has declined since then, and has fallen below 1 per cent since 2021.

#### **Future Projections of Human population growth**

- According to the United Nations it will take around **15 years** until 2037 for it to reach 9 billion.
- It has been projected that the world population could grow to nearly 8.5 billion in 2030, 9.7 billion in 2050, and 10.4 billion in 2100.
- More than half of the projected increase in global population till 2050 will be concentrated in Congo, Egypt, Ethiopia, India, Nigeria, Pakistan, Philippines, and Tanzania.
- India is projected to cross China as the world's most populous country during **2023**.
- The most populous regions on Earth are Eastern **and South-Eastern Asia** with 2.3 billion people and Central and Southern Asia with 2.1 billion people. **India and China**

### **According to the World Bank population projection:**

- In 2022 China and India account for over a third of the world's population, with China's share at 18.2 per cent and India's at **17.7 per cent**.
- The world's **third most populous country, the United States of America** and the fourth most populous Indonesia at present in 2022, have a share of 4.2 per cent and 3.5 percent of the global population respectively.
- This is expected to change by 2050, with India having the world's highest population share at **16.8 percent**, while China's population share would have declined by over **4.2 per cent**.
- India is projected to add over **2.3 billion people by 2050**, while China's population is projected to **decline** from 2030 onwards.
- At present **Asia** has the **largest share of the world's population**, **Africa** is home to the **youngest population** with a median age of just 20, and **Europe will have the oldest population on the globe** with a median age of around 43.

## **8. Union Minister of Power & New and Renewable Energy launches the Green Energy Open Access portal ( Nov. 15, 2022 )**

Union Minister of Power & New and Renewable Energy

The Union Minister for **Power and New and Renewable Energy, RK Singh**, launched the **Green Energy Open Access Portal** through video conferencing on November 11, 2022, in continuation of several initiatives of the Government of India to promote clean and green energy.

### **Important facts**

- This portal will allow electricity consumers with a sanctioned load of **100 kW or more to get the supply of renewable energy**.
- Under the new system, any consumer with a sanctioned load of 100 kW or more "can get renewable energy through an open access portal from any renewable power generation plant set up by him or any developer."
- This open access has to be given within 15 days. An application for open access can be made on this portal.

- These stakeholders include Open Access Participants, Traders, Power Exchanges, National/Regional/State Load Despatch Centres, Central/State Transmission Utilities.
- The portal provides a transparent, simplified, uniform and streamlined process for providing open access to green energy.
- This will be instrumental in making electricity markets more convenient and enabling integration of renewable energy (RE) resources into the grid.

### **Objectives of the Portal**

- The portal aims to ensure affordable, reliable, sustainable and green energy for all. Consumers can now easily access renewable energy.

### **Green Energy Open Access Rules, 2022**

- The **Ministry of Power** had notified the **Electricity (Promotion of Renewable Energy through Green Energy Open Access) Rules- 2022** on June 6, 2022.
- The objective of these rules is to promote production, purchase and consumption of green energy including electricity from waste to power plants.
- As per the rules, green open access is allowed to any consumer and the open access transaction limit for green energy has been reduced from **1 MW to 100 kW** so that even small consumers can buy renewable energy through open access.

### **9. The third edition of Coastal Defence Exercise 'Sea Vigil-22' began on 15 November ( Nov. 15, 2022 )**

The **third edition** of the two-day '**Sea Vigil-22**' is commencing on the **eastern seaboard** from November 15 as part of an all-India coastal defence exercise.

#### **Important facts**

- The exercise was conceptualised in the **year 2018** among various measures initiated to enhance maritime security since the **26/11 Mumbai attacks**.
- The exercise will be conducted along the country's 7,516 km long coastline covering India's **Exclusive Economic Zone (EEZ)**.
- The exercise will involve all coastal states, union territories and other maritime stakeholders including fishing and coastal communities.
- The exercise is being conducted by the **Indian Navy** in coordination with the **Indian Coast Guard (ICG)** and the ministries tasked with maritime activities.
- This exercise is a build-up towards the major **Theatre Level Readiness Operational Exercise (TROPEX)**, which is conducted by the Indian Navy every two years.

- **'Sea Vigil' and 'TROPEX'** together will cover the entire spectrum of maritime security challenges.
- Assets from the Indian Navy, Coast Guard, Customs and other maritime agencies will participate in the 'Sea Vigil' exercise.
- Apart from the Defense Ministry, the Ministry of Home Affairs, Ports, Shipping and Waterways, Petroleum and Natural Gas, Fisheries, Animal Husbandry and Dairying, Customs and other Central/State agencies are also assisting in the conduct of this exercise.
- The exercise will provide a realistic assessment of **India's strengths and weaknesses**, which will help further strengthen maritime and national security.

## **10. Mehran Karimi Nasserri who lived in Paris airport for 18 years dies ( Nov. 14, 2022 )**

Mehran Karimi Nasserri who lived in Paris airport for 18 years dies

The 77-year-old Iranian refugee **Mehran Karimi Nasserri**, whose ordeal inspired the 2004 movie **"The Terminal"** starring Tom Hanks and Catherine Zeta-Jones died on 13 November 2022, inside the Paris **Charles de Gaulle Airport**, where he had previously lived for 18 years.

Mehran Karimi Nasserri died around noon local time of a heart attack, a spokesperson for the Paris airport authority said on 14 November 2022.IR

Nasserri was born in 1945 in the Iranian province of Khuzestan. He left Iran in 1970's to search for his British mothers. He was expelled from many European countries including the United Kingdom, the Netherlands and Germany for not having the correct immigration documents.

In 1988, French authorities stopped him at the Paris airport as he tried to pass through without identity papers. Caught in an immigration trap, he soon set up a makeshift home of his own in the airport and lived for many years in Terminal 1 of Paris's **Charles de Gaulle Airport**.

He was offered a residence permit by France but was unable to adjust to life outside the airport. He eventually came back to the Airport's Terminal 2F and died later.