



# कौटिल्य एकेडमी

**DAILY CURRENT AFFAIRS (06-04-2024)**

## **BIRD FLU INFECTION :**

### **Why in News :-**

- Scientists have issued a warning after humans got infected with bird flu in **Texas, America**.

### **Warning Points:-**

- He has said that a **bird flu epidemic** is looming.
- This can create a situation a **hundred times worse than Covid**.

### **Information Related Points :-**

- **New York Post** has recently given this information.
- **John Fulton**, an expert from the New York Post, said that according to the **World Health Organization**, **52 percent of people exposed to H5N1 since 2003** have died.
- If we compare it with Covid, currently its rate is **less than 0.1 percent**.
- At the same time, at the beginning of the epidemic this rate was **close to 20 percent**.



### **Other Points:-**

- **H5N1 avian flu** has spread rapidly since the **new strain was detected in 2020**.
- It has infected birds in **every state**. **Poultry farm** is also not untouched by this.
- Recently cases have been found in mammals. **Cattle herds have been infected in four states**.

### **Bird Flu :-**

- This is a disease **spread by a virus**.
- This virus is a member of the **Orthomyxoviridae family**, due to antigenic differences in the nuclear protein and matrix of this virus, it has been divided into **types A, B, and C**.
- **Type-A** mainly causes influenza disease in birds. There are two types of glyco proteins (hemagglutinin HA and neuraminidase NA) on the outer wall of this virus. On the basis of the differences found in these two proteins, they have been divided into sub-types. Till now, 16 subtypes of H and 9 subtypes of A have been identified. Thus, influenza disease in birds can be caused by  $16 \times 9 = 144$  types of sub-types.

- **These 144 subtypes** are known as LPAI (less than 90%) low-pathogenic avian influenza and hyperpathogenic avian influenza (HPAI less than 10%) according to their ability to cause disease.
- **LPAI** causes very few deaths. Generally, this virus lives in the body of migratory birds, especially water ducks, without causing any symptoms and is carried by these birds to different places in the world.
- **HPAI (Bird Flu)** which is a very dangerous disease of birds and can cause 100 percent death of birds within 48 hours. It is caused by influenza A subtypes **H5 and H7**. This disease comes under the category of **notifiable disease** by the World Disease Control Organization (OIE). It can cause respiratory, stomach and nervous system symptoms with much mortality in birds.
- **Avian influenza type-A** mainly causes disease in birds, mammals (humans, pigs, horses, monkeys, etc.), **type-B** only humans and **type-C** causes disease in humans and pigs.



### **Bird flu hits India :-**

- In India, bird flu outbreaks were seen in **15 states between 2006 and 2015**.
- Till now no one person in the India has been infected by it. **India declared itself virus free in September 2019**.
- However, some time ago cases of **new variants of bird flu** were reported in some states of India.



# HUMAN DEVELOPMENT INDEX :

## Why in News?

- Recently, in the Human Development Report released by the United Nations, India has been ranked 134th out of 193 countries.

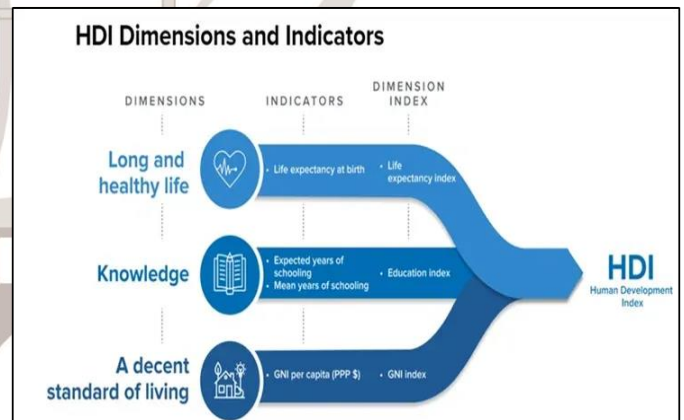
## Key points in the context of India;-

- The country has moved up one place compared to last year, but the modest improvement fails to indicate substantial progress.
- India is even lower than Bhutan (125th) and Bangladesh (129th). However, some factors of the index have improved in India.
- Life expectancy in India is projected to increase from 67.2 to 67.7 and expected years of schooling from 12 to 12.6. Per capita gross national income has also increased from \$6,542 to \$6,951.
- The latest report shows that the progress India has made is not enough, the challenge still remains to ensure a minimum quality of life for all citizens. The goal of becoming a developed country by 2047 will be meaningful only when there is adequate human development.
- India's low position in the Human Development Report is also worrying because it is the most populous country in the world.



## Other important facts :-

- This report has been released by the United Nations Development Programme.
- Switzerland, Norway and Iceland top the index respectively.
- Nepal and Bhutan are ranked 146th and 125th respectively, which puts them in the 'medium human development' category along with India.
- Pakistan (164) and Afghanistan (182) have been placed in the 'low human development' category.
- On the other hand, China is ranked 75th and Sri Lanka is ranked 78th, reflecting the 'high human development' category.
- The report ranks India at 108th position among 193 countries with a score of 0.437 on the Gender Inequality Index (GII), 2022.



- India was ranked **122nd among 191 countries** with a score of 0.490 in the Gender Inequality Index-2021.

### **Four indicators of Human Development Index:-**

- Life expectancy at birth (Sustainable Development Goal 3),
- Expected years of schooling (Sustainable Development Goal 4.3),
- Average years of schooling (Sustainable Development Goal 4.4),
- Gross National Income-GNI (Sustainable Development Goal 8.5)

## **World Anti-Doping Agency (WADA) Report-2022 :**

### **Why in News?**

- **India recorded the highest percentage** of failed dope tests among countries that tested more than 2000 samples, while **South Africa stood second** in the 2022 testing data report released by the World Anti-Doping Agency.

### **Key points of the report:-**

- India tested **3865 samples during the record period**, of which 125 had adverse analytical findings.
- **WADA** said in its report that this is **3.2 percent** of the samples.
- In terms of the number of samples tested, **India was ranked 11th in the list**, but the number of doping violations was higher than that of major sporting nations like **Russia (85), the US (84), Italy (73) and France (72)**.
- The next highest percentage of adverse findings came from South Africa — **2.9 percent of the 2033 samples tested**.
- **Third place was taken by Kazakhstan**, which had adverse results in 1.9 percent of the testing pool of 2,174 samples.
- **The fourth highest percentage came from Norway and the United States**. While the United States tested 6782 samples, Norway's count was 2075.
- **China** tested the highest number of samples — 19,228 — during this period with an adverse finding percentage of 0.2 per cent.



- Germany tested 13,653 samples of which 0.3 percent were found positive for banned substances.
- Russia, which has been suspended by the International Olympic Committee for repeated doping violations, tested 10,186 samples with an adverse analytical finding percentage of 0.8 percent.

### World Anti-Doping Agency (WADA) :-

- Established-1999
- Headquarters - Montreal, Canada
- Chairman — Witold Bangkok
- Its main objective is to fight against the unauthorized use of performance enhancing drugs (dope) by athletes in sports.



**world  
anti-doping  
agency**

## WORLD BANK ECONOMIC ADVISORY PANEL :

### Why in News?

- The World Bank Group has appointed former Reserve Bank of India (RBI) deputy governor Rakesh Mohan as a member of its Economic Advisory Panel.
- Rakesh Mohan is a member of the Prime Minister's Economic Advisory Council.



### Panel:-

- The panel will be chaired by Lord Nicholas Stern, Professor of Economics at the London School of Economics. Indermeet Gill, Chief Economist and Senior Vice President for Development Economics, World Bank Group, will be the co-chair.

### World Bank:-

- It was established in 1944.
- Its headquarters is in Washington, DC.
- Members: 189
- Founders — John Maynard Keynes, Harry Dexter White
- President — Ajay Banga

## 'AIR DEFENSE SECURITY SYSTEM' :

### Why in News?

- Recently Akashteer Command and Control System has been developed by Bharat Electronics Limited (BHEL).
- The Army has declared the year 2024 as the 'Year of Technical Inclusion'.

### Related Points:-

- This air defense system is equipped with sensors and radar networks, which issue immediate alerts about enemy aircraft, jets, helicopters, drones and missiles.
- Based on the alerts received from this, surface-to-air missiles and rockets can be launched.
- Both the Army and the Air Force receive its alerts.



## DAILY CURRENT AFFAIRS (MCQ)

1. Which 'Air Defense Security System' has been included in the Indian Army?

- (A) Akash Rakshak Command and Control System
- (B) Zorawar Command and Control System
- (C) Akashteer Command and Control System
- (D) Yudhveer Command and Control System

Ans;- Akashteer Command and Control System

2. By when is the Indian government planning to eliminate the import of urea in the country?

- (A) 2024
- (B) 2025
- (C) 2026
- (D) 2027

Ans-2025

3. Who has been appointed to the World Bank Economic Advisory Panel?

- (A) Shefali Sharan
- (B) Santosh Kumar Jha
- (C) Rakesh Mohan
- (D) Sanjay Nair

Ans;- Rakesh Mohan

4. According to the report of the World Anti-Doping Agency (WADA), which country has found the highest number of doping cases in 2022?

- (A) India
- (B) China
- (C) America
- (D) Russia

Ans;-India

5. How many Indians have been included in the World Economic Forum Young Global Leaders Community: The Class of 2024?

- (A) 3 Indians
- (B) 4 Indians
- (C) 5 Indians
- (D) 6 Indians

Ans;-5 Indians

6. Who has been awarded the CIDC Vishwakarma Award 2024?

- (A) Hindustan Aeronautics Limited
- (B) Life Insurance Corporation of India
- (C) Indian Space Research Organization
- (D) SJVN Limited

Ans;-SJVN Limited