



## Daily Current Affairs Prelims Quiz 14-10-2024 & 13-10-2024 (Online Prelims Test)

1) Consider the following statements with respect to Animal Quarantine & Certification Service (AQCS)

1. It aids to prevent the ingress of dangerous exotic diseases into the country through imported livestock and livestock products.
2. It was an initiative by the NITI Aayog.
3. In India, live animals including pets can be imported via international airport situated across India.

How many of the statements given above are correct?

- a. Only one
- b. Only two
- c. All three
- d. None of the above

Answer : a

### Animal Quarantine & Certification Service (AQCS)

*Union Minister of State for Fisheries, Animal Husbandry and Dairying has recently inaugurated the Animal Quarantine & Certification Service (AQCS) at Cochin International Airport (CIAL) in Kochi, Kerala.*

- Animal Quarantine & Certification Service (AQCS) aims to prevent the ingress of dangerous exotic diseases into the country through imported livestock and livestock products.
- It also envisage provision of an Internationally acceptable certification service for the livestock & livestock product exported to other countries from India confirming to the health requirements of the importing country or the health regulations prescribed in the International Zoo Sanitary code.
- **Objectives** - To prevent the ingress of any Exotic Livestock Diseases into India through importation of livestock & livestock products as per the provisions of Livestock Importation Act.
- To provide an internationally accepted certification service for augmenting export and to increase National income.
- To inspect and register the plants/mills exporting the animal by-products.
- **Need for it** - To keep the country free from many exotic diseases and AQCS plays an important part to maintain the country disease freedom.
- **Fourth Five Year Plan (1969-70)** - It is a **central sector scheme** that was initiated during the *Fourth Five Year Plan (1969-70)*. (**statement 2 is incorrect**)
- **Regulation** - Ministry of Fisheries, Animal Husbandry and Dairying regulates the import of livestock and livestock products under the Livestock Importation Act of 1898, amended in 2001.
- The focuses on preventing the introduction of exotic diseases into India.
- **Import of live animals** - At present, live animals, including pets, are imported through 6 major entry points where AQCS stations are located. (**Statement 3 is incorrect**)
- The 6 major entry points are Delhi, Mumbai, Kolkata, Chennai, Bengaluru and Hyderabad.

2) India is part/ participants of which of the following?

1. ASEAN Regional Forum
2. Expanded ASEAN Maritime Forum
3. ASEAN Defence Ministers' Meeting Plus
4. East Asia Summit

Select the correct answer using the code given below:

- a. 1, 2 and 3
- b. 2, 3 and 4
- c. 1, 3 and 4
- d. 1, 2, 3 and 4

Answer : d

### Association of Southeast Asian Nations (ASEAN)

- ASEAN is an international organization established by the governments of Indonesia, Malaysia, the Philippines, Singapore, and Thailand in 1967.
- It aims to accelerate economic growth and promote peace and security in Southeast Asia.
- Brunei joined in 1984, followed by Vietnam in 1995, Laos and Myanmar in 1997, and Cambodia in 1999.
- East Timor has been granted observer status and is expected to become a full member in 2025.
- **ASEAN Regional Forum** - It aims to foster constructive dialogue and consultation on political and security issues of common interest and concern.
- It makes significant contributions to efforts towards confidence-building and preventive diplomacy in the Asia-Pacific region.
- The current participants in the ARF are:
  - Australia, Bangladesh, Brunei Darussalam, Cambodia, Canada, China, Democratic People's Republic of Korea,
  - European Union, **India**, Indonesia, Japan, Lao PDR, Malaysia, Mongolia, Myanmar, New Zealand, Pakistan, Papua New and
  - Guinea, Philippines, Republic of Korea, Russia, Singapore, Sri Lanka, Thailand, Timor-Leste, United States, and Viet Nam.
- **Expanded ASEAN Maritime Forum (EAMF)** - It was established in 2012 as a Track 1.5 Forum with a view to engage the several countries in a dialogue on important maritime issues of common interest.
- The countries include Australia, China, **India**, Japan, New Zealand, Republic of Korea, Russia, and the United States of America.
- **ASEAN Defence Ministers' Meeting Plus** - Is a platform for ASEAN and its 8 Dialogue Partners Australia, China, **India**, Japan, New Zealand, Republic of Korea, Russia and the United States (collectively referred to as the "Plus Countries").
- It aims to strengthen security and defence cooperation for peace, stability and development in the region.
- **East Asia Summit** - It comprises 18 participating countries, including 10 ASEAN Member States.
- The member states includes Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand, Viet Nam, and Australia, China, **India**, Japan, New Zealand, the Republic of Korea, the Russian Federation, and the United States of America.

3) Consider the following statements with respect to Radar

1. It consists of a transmitter and receiver that determine distance, velocity and characteristics of objects.
2. Mission Mausam aids to upgrade meteorological infrastructure.

3. X-band Radar provides higher resolution images with longer range.

How many of the statements given above are correct?

- a. Only one
- b. Only two
- c. All three
- d. None of the above

Answer : b

## Radar

- Radar stands for "radio detection and ranging".
- It uses radio waves to determine distance, velocity and characteristics of objects.
- It consists of a **transmitter and receiver**.
- **Weather Radar** - Also known as Doppler radar.
- It uses the Doppler Effect to measure cloud movement and rainfall intensity.
- It can monitor weather conditions and anticipate storms.
- **X-band Radar** - It operates in the 8-12 GHz frequency range and provides higher resolution images but has **shorter range**. (**Statement 3 is incorrect**)
- It is useful for monitoring small particles like rain droplets or soil.
- **India's Radar Infrastructure** - IMD started using weather radars in the 1950s.
- It uses both X-band and S-band radars.
- IMD plans to add 56 additional Doppler radars in the coming years
- "**Mission Mausam**" approved to upgrade meteorological infrastructure.
- **NISAR Satellite** - A Joint NASA-ISRO project.
- It will use L-band and S-band radar for high-resolution Earth mapping.
- **Recent Developments** - New X-band radar in Wayanad for landslide warnings.
- Plans to install 10 X-band Doppler radars in northeast States and Himachal Pradesh.

4) Consider the following statements with respect to Murine Typhus

- 1. It is an infectious disease caused by the flea-borne bacteria *Rickettsia typhi*.
- 2. It is transmitted to humans through the bites of infected fleas.
- 3. There is no vaccine available for the treatment of this disease.

How many of the statements given above are correct?

- a. Only one
- b. Only two
- c. All three
- d. None of the above

Answer : c

## Murine Typhus

*The Kerala state's first case of Murine Typhus was reported recently.*

- Murine typhus is an infectious disease caused by the bacteria *Rickettsia typhi*.
- It is transmitted to humans through infected flea bites.
- It is also known as endemic typhus or flea-borne typhus.

- **Transmission** – Spread through contact with infected flea feces.
- Not transmitted person-to-person or person-to-flea.
- It is common in coastal tropical and subtropical regions.
- **Symptoms** – Appear 7-14 days after exposure.
- The symptoms include fever, headaches, body aches, nausea, vomiting.
- Some may develop skin rashes later.
- **Diagnosis and Treatment** – Next Generation Sequencing (NGS) technology used in this case.
- There is **no vaccine** currently available against the disease.
- Antibiotic doxycycline is considered effective and early diagnosis is crucial.
- **Prevention** – Keep pets free of fleas.
- Control rodent populations around households and properly cover food items.
- **Prevalence in India** – Cases reported in the Northeast, Madhya Pradesh, and Kashmir.

5) Consider the following pairs:

<i>Terms in News</i>		<i>Continents</i>
1. Phata Byung project	-	Asia
2. Matsiguenka Community	-	Africa
3. Miombo Forest	-	South America

How many of the pair(s) given above is/are correctly matched?

- Only one
- Only two
- All three
- None of the above

Answer : a



### **Phata Byung project, Matsiguenka Community & Miombo Forest**

- **Phata Byung project** – Is a run-of-the-river hydroelectric project located downstream of Kedarnath in Uttarakhand's Rudrapur district, **India**.
- **Matsiguenka Community** – Are an indigenous people who live in the **Amazon Basin** and the high jungle of south-eastern **Peru**.
- It is made up of several groups, including the Tayakome and Yomibato communities in Manu National Park.
- **Miombo** – Is a tropical and subtropical grasslands, savannas and shrublands biome located in central and southern tropical **Africa**.
- United Nations Food and Agriculture Organization (FAO) and the Italian Agency for Development Cooperation (AICS) have signed two agreements for the implementation of projects aimed at protecting the miombo forest.
- The agreement also facilitates trade in the border region between Mozambique and Zimbabwe.