



## Daily Current Affairs Prelims Quiz 30-08-2024 (Online Prelims Test)

1) Consider the following statements with respect to Rheumatoid Arthritis (RA)

1. It is a chronic auto-immune disorder that causes pain, swelling and stiffness in the joints.
2. Ayurvedic Whole System (AWS) alleviates the symptoms of RA by inducing a metabolic shift towards normalisation in patients with RA.

Which of the above statement(s) is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : c

### Rheumatoid Arthritis (RA)

*A new scientific study has revealed the significant effectiveness of the Ayurvedic Whole System (AWS) in the management of Rheumatoid Arthritis, a chronic autoimmune disorder affecting millions worldwide.*

- Rheumatoid Arthritis (RA) is a chronic auto-immune disorder causes joint inflammation and pain.
- It happens when the immune system doesn't work properly and attacks the lining of the joints, called the synovium.
- The disease commonly affects the hands, knees or ankles and usually the same joint on both sides of the body, such as both hands and both knees.
- But sometimes RA causes problems in other parts of the body as well, such as the eyes, heart and circulatory system and/or the lungs.
- For unknown reasons, more women than men get RA, and it usually develops in middle age.
- Having a family member with RA increases the odds of developing RA.
- **Ayurvedic Whole System (AWS)** - Is effective in **alleviating RA symptoms and inducing a metabolic shift towards normalization in patients.**
- The research was conducted by senior researchers from reputable institutions in India.
- Reduction in Disease Activity Score-28 Erythrocyte Sedimentation Rate (DAS-28 ESR) and decrease in the number of swollen and tender joints.
- Metabolic profiles of RA patients showed improvements after AWS treatment, with levels of certain metabolites shifting towards those observed in healthy individuals.
- This is reportedly the first study to clearly demonstrate the clinical efficacy of AWS in managing RA.
- The researchers emphasize the need for further studies to confirm these results and understand the mechanisms of AWS's therapeutic effects.
- **Ama Activity Measure (AAM) Score**, which assesses the presence of toxins in the body, also showed a significant reduction post-intervention.

2) Consider the following statements:

**Statement-I:** Mars does not possess a global magnetic field.

**Statement-II:** The crustal field effects are much stronger during day-time and remain unaffected by seasons or Sun-Mars distance.

Select the correct answer using the codes given below:

- a. Both Statement-I and Statement-II are correct and Statement-II is the correct explanation for Statement-I
- b. Both Statement-I and Statement-II are correct and Statement-II is not the correct explanation for Statement-I
- c. Statement-I is correct but Statement-II is incorrect
- d. Statement-I is incorrect but Statement-II is correct

Answer : b

## Mars Crustal Magnetic Field

*Recently scientists from the Indian Institute of Geomagnetism (IIG) found that the crustal field effects in moon are much stronger during day-time.*

- Mars does not have a global magnetic field, but it does have small-scale crustal magnetic fields.
- The crustal fields are located poleward of 30°S latitude and within a longitude region of 120° E to 240° E.
- Crustal field effects on Mars are much stronger during daytime but almost non-existent during night-time.
- **Daytime crustal field effects remain unaffected by seasons or Sun-Mars distance.**
- During daytime, crustal magnetic fields strongly control the ionosphere in the southern hemisphere.
- The control is generally much stronger compared to the northern hemisphere.
- At night, crustal magnetic fields lose control over the ionosphere, eliminating hemispheric asymmetry.
- Daytime control of crustal magnetic fields over the ionosphere is independent of Sun-Mars distance (seasons).
- **Significance** - Important for understanding magnetic shielding on Mars.
- Has implications for future robotic and human missions to Mars.
- Contributes to knowledge that can help future space missions.

3) Consider the following statements with respect to Samudra Pratap

1. It is the first indigenously developed pollution control vessel.
2. It features an advanced radar system for oil spill detection and facilities to recover and store various types of oil.

Which of the above statement(s) is/are **incorrect**?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : d

## Samudra Pratap

- Samudra Pratap is the **first indigenously developed Pollution Control Vessel** of Indian Coast Guard (ICG).
- The Ship has been built by **Goa Shipyard Limited (GSL)** for the ICG.
- The vessel will help to check the oil spillage in the country's sea coast.
- It features *side-sweeping arms to contain oil spills* while in motion, **an advanced radar system for oil spill detection**, and facilities to *recover and store various types of oil*.
- The vessel is a crucial addition to the Indian Coast Guard's fleet, enhancing its capacity to manage oil spill response operations in India's Exclusive Economic Zone (EEZ) and beyond.
- This launch is a proud moment for India, showcasing its growing prowess in indigenous shipbuilding and maritime environmental protection.

4) Consider the following statements with respect to Retired Sportsperson Empowerment Training (RESET) Programme

1. It will support retired athletes who have played for the country by empowering them with the necessary knowledge and skills.
2. Only medal winners in the international events are eligible to participate in this programme.
3. The pilot phase of the programme will be implemented by the Sports Authority of India (SAI).

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

### Retired Sportsperson Empowerment Training (RESET) Programme

*RESET Programme was recently launched by the Minister of Youth Affairs & Sports to support retired athletes on their career development journey by empowering them with the necessary knowledge and skills.*

- RESET Programme is aimed at empowering our retired sportspersons who have played for the country and brought immense laurels to the nation.
- The programme will support retired athletes on their career development journey by empowering them with the necessary knowledge and skills and making them more employable.
- The programme will be offered in **hybrid mode** consisting of self-paced learning through a dedicated portal, along with on-ground training and internship.
- Internships will be provided in sports organizations, sporting competitions/training camps and leagues.
- Further, placement assistance, guidance for entrepreneurial ventures and so on will be provided upon successful completion of the course.
- **Eligibility** - The programme is open to all those athletes in the **20-50 age bracket**.
- **Not just medal winners, athletes participated in international events** or earned national or state-level distinctions are eligible for the program.
- The events must be recognised the National Sports Federations, Indian Olympic Association, or the Ministry of Youth Affairs and Sports.
- **The pilot phase of the programme will be implemented by Lakshmibai National Institute of Physical Education (LNIPE).**

5) Consider the following statements with respect to Global System for Mobile Communications Association (GSMA)

1. It is a global organisation unifying the mobile ecosystem to discover, develop and deliver innovation foundational to positive business environments and societal change.
2. 'Farm-Advice' is a national hotline for agriculture is an initiative of it.
3. Bharat Sanchar Nigam Limited is a member of it.

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

### Global System for Mobile Communications Association (GSMA)

*A Report titled "AI for Africa: Use Cases Delivering Impact - Nigeria Deep Dive" was recently release by the GSMA that highlights the importance of AI in agriculture.*

- Global System for Mobile Communications Association (GSMA) is a global organisation unifying the mobile ecosystem to discover, develop and deliver innovation foundational to positive business environments and societal change.
- It represents mobile operators and organisations across the mobile ecosystem and adjacent industries.
- GSMA delivers for its members across 3 broad pillars:
  1. Connectivity for Good
  2. Industry Solutions
  3. Events
- The **Indian mobile operators** such as **Bharat Sanchar Nigam Limited**, Airtel, Vodafone and Jio are members of it.
- **CROP2CASH** was founded on the 18th of May 2018 with a focus on zero hunger which we aim to achieve through the empowerment of farmers in Nigeria.
- **Farm-Advice, a national hotline for agriculture was recently launched by CROP2CASH.**