



Daily Current Affairs Prelims Quiz 30-10-2025 (Online Prelims Test)

1) Consider the following statements

1. An oval shaped eye of the cyclone indicates the very intense cyclone.
2. A high vertical shear of wind intensifies the cyclone, whereas the horizontal wind shear weakens it.

Select the correct statements using the code given below:

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

Answer : d

Explanation

- **Statement 1 is incorrect** - An intense cyclone has clear round eye at the centre, when the cyclone gets weakened it starts to visible in oval shape at the eye of the center.
- **Statement 2 is incorrect** - **Vertical wind shear** disrupts tropical cyclones by tilting their structure.
- This weakens cyclones by moving the heat and moisture away from the core, separating the low-level circulation from the upper-level convection, and damaging their overall structure.
- **Horizontal wind shear** can either weaken or strengthen a cyclone, depending on the circumstances.
- It can shred a storm by displacing its core or help it intensify by moving it into warmer waters or by "venting" it in a way that allows it to strengthen.
- The overall effect depends on the interaction between the storm's movement and the environmental winds.

2) Which of the following factors influences cyclone formation

1. Earth's rotation
2. Ocean temperature
3. Low vertical wind shear

Choose the correct option using the code below:

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

Answer : c

Explanation

- **Earth's rotation** is the reason for the phenomenon of the **Coriolis force** and the Coriolis force is responsible for the rotation of the cyclonic wind. **So 1 is correct.**
- The **sea surface temperature** is about 26° C or more, providing the heat and moisture for cyclones to grow.
- The evaporated water in turn interact with the surrounding winds thus provided necessary speed for the cyclones. **So 2 is correct.**
- A tropical cyclone is essentially a heat engine. It needs low vertical wind shear to keep its warm core aligned directly above its surface circulation center, which is crucial for intensification. **So 3 is correct.**

3) Consider the following

1. He was called as the "Maker of modern India" by Sarvepalli Radhakrishnan.
2. He gave call for "India for Indians" 1st time in 1876.
3. Satyarth Prakash is one of his literary works.

The above statements are describing which of the following personalities?

- a. Jyotibha Phule
- b. B.G Tilak
- c. Dayananda Saraswati
- d. Rabindranath Tagore

Answer : c

Explanation

- **Dayananda Saraswati** was a prominent social reformer, philosopher, religious leader and founder of the Arya Samaj.
- He believed in the infallible authority of the Vedas and advocated the doctrine of Karma & Reincarnation.
- Emphasized "**Go Back to Vedas**" - True Hinduism is rooted in the Vedas, which uphold rationality, equality, and social justice.
- **His literary works - Satyarth Prakash** (The Light of Truth), Sanskarvidhi, Yajurved Bhashyam, Veda Bhashya Bhumika, etc, journal "Arya Patrika".
- He was the 1st to give the call for "**India for Indians**" (**swaraj**) in 1876, a call *later taken up by Lokmanya Tilak.*
- India's 2nd President Sarvepalli Radhakrishnan called him as "**a maker of modern India**".

To know more, click [here](#)

4) "**Koyla Shakti digital platform**" recently seen in news is associated with which of the following?

- a. Coal ecosystem
- b. Biodiversity monitoring
- c. Offshore hydro power generation
- d. Stock market

Answer : a

Explanation

- The **Ministry of Coal** is set to Launch "**Koyla Shakti**" **Dashboard** for real-time monitoring and analysis of coal sector operations.
- Koyla Shakti is a Smart Coal Analytics Dashboard for real-time monitoring and analysis of coal sector operations.

- The dashboard is designed to provide a unified interface for monitoring coal production, supply, and logistics.

For more, click [here](#)

5) “**India’s Services Sector: Insights from Employment trends and State-Level Dynamics**” report launched by?

- a. NITI Aayog
- b. National Statistics Office
- c. Ministry of Finance
- d. Ministry of commerce

Answer : a

Explanation

- Recently, NITI Aayog has launched the report on “India’s Services Sector: Insights from Employment trends and State-Level Dynamics”.
- The report is India’s 1st comprehensive study of employment in the services sector.
- It analysis across sub-sectors, gender, regions, education levels, and job types—moving beyond aggregate trends to present a multi-dimensional workforce profile.

For more, click [here](#)

