

# VAID ICS LUCKNOW

## DAILY CURRENT QUIZ- UPSC

10/10/2024

### EXPLANATION

Qn 1- b

**Explanation:**

- While the Global Forest & Trade Network (C) and Earth Hour (A) are initiatives associated with WWF, the Green Climate Fund (B) is an independent fund established by the United Nations Framework Convention on Climate Change (UNFCCC) to assist developing countries in responding to climate change.
- WWF supports various initiatives to combat climate change but is not the founder or manager of the Green Climate Fund.

Qn2. A

**Explanation:**

- **1is True.** EbA utilizes the services provided by ecosystems and biodiversity to enhance the adaptive capacity of communities, thereby improving their resilience to climate change impacts.
- **2is False.** While technological solutions can play a role in climate adaptation, EbA emphasizes working with natural ecosystems rather than relying solely on technology.
- **Cis False.** EbA is a long-term strategy aimed at sustainable adaptation, integrating ecological health with community resilience over time.

### Qn 3b

- Statement 1 is incorrect because ANNs process data in a non-linear manner through activation functions.
- Statement 2 is correct as ANNs learn complex patterns during training, where backpropagation is used to adjust weights based on error.
  - Statement 3 is incorrect because CNNs typically include pooling layers to downsample feature maps and reduce dimensionality, which aids in improving computational efficiency.

### Qn.4 b

#### Explanation:

- **Statement 1 is incorrect;** AlphaFold was developed by DeepMind, a subsidiary of Alphabet Inc.
- **Statement 2 is correct;** AlphaFold uses deep learning to predict the 3D structure of proteins based on their amino acid sequences.
- **Statement 3 is incorrect;** AlphaFold is designed to predict the structures of proteins of various sizes, including large proteins and protein complexes.