

Q: Consider the following statement regarding Coastal Defence Exercise 'Sea Vigil-22':

1. Sea Vigil and TROPEX together will cover the entire spectrum Maritime Security challenges.
2. The exercise is being conducted by the Indian Navy in coordination with the Coast Guard.
3. Exclusive economic zone of India is not included in this exercise.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: a

Explanation:

- This National Level Coastal Defence Exercise was conceptualised in 2018 to validate various measures that have been instituted towards enhancing maritime security since '26/11'.
- Coastal Security being a major sub-set of Coastal Defence construct, the concept of 'Sea Vigil' is to activate the Coastal Security apparatus across India and assess the overarching Coastal Defence mechanism.
- The exercise will be undertaken along the entire 7516 km coastline and Exclusive Economic Zone of India and will involve all the Coastal States and Union territories along with other maritime stakeholders, including the fishing and coastal communities.
- The exercise is being conducted by the Indian Navy in coordination with the Coast Guard- and other ministries entrusted with the task of maritime activities.
- The exercise is a build up towards the major Theatre Level Readiness Operational Exercise (TROPEX), which the Indian Navy conducts every two years.
- Sea Vigil and TROPEX together will cover the entire spectrum Maritime Security challenges.

Q: Consider the following statement:

1. World Economic Outlook is published by World Bank.
2. India, surpassed the United Kingdom, to become the fifth-largest economy in the world.
3. Morgan Stanley in its recent report has forecast that India will be world's third-largest economy by 2027.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: b

Explanation:

- Recently, the International Monetary Fund (IMF) 2022, World Economic Outlook, October has projected India's real GDP growth forecast to be the fastest among other G20 economies.
- It has said that the "recent high-frequency indicators confirm that the global economic growth outlook is gloomier" than projected earlier.
- In September 2022, India, surpassed the United Kingdom, to become the fifth-largest economy in the world.
- Morgan Stanley in its recent report has forecast that India will be world's third-largest economy by 2027.

Q: Recently, India submitted its Long-Term Low Emission Development Strategy to the United Nations Framework Convention on Climate Change (UNFCCC), during the 27th Conference of Parties (COP27). Consider the following statement:

1. National Hydrogen Mission was launched with aims to make India a green hydrogen hub.
2. Increased use of green hydrogen fuel are expected to drive the low carbon development.

Choose the correct option from the codes given below:

- a) 1 Only
- b) 2 Only
- c) 1 and 2
- d) None of the above

Ans: c

Explanation:

- The National Hydrogen Mission launched in 2021 aims to make India a green hydrogen hub.
- Increased use of biofuels, especially ethanol blending in petrol, the drive to increase electric vehicle penetration, and the increased use of green hydrogen fuel are expected to drive the low carbon development of the transport sector.

Q: Consider the following statement regarding Mangroves:

1. It is one of the severely endangered ecosystems.
2. It support numerous ecosystem services.
3. It help to reduce coastal ecological risks.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: d

Explanation:

- Mangroves support numerous ecosystem services and help reduce coastal ecological risks, yet they are one of the severely endangered ecosystems declining rapidly due to climate change, sea level fluctuations, and human activities.
- A limited understanding of mangrove spatial distribution and species habitat requirement has reduced the success of conservation initiatives in many parts of the Indian coastline.
- This underlines an urgent need to develop model-based studies to identify conservation target areas at Spatio-temporal scales, specifically in rich mangrove biodiversity regions along the Indian coastline.

Q: Consider the following statement regarding “Operation Barkhane”:

1. ‘Operation Serval’ was renamed as Operation Barkhane.
2. The objective was to assist local armed forces to prevent the resurgence of non-state armed groups.
3. The operation was started by USA against Islamic extremist.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: a

Explanation:

- France began its military operations in Sahel in January 2013.
- Titled ‘Operation Serval’, it was limited to targeting Islamic extremists linked to al-Qaeda who took control of northern Mali. However, in 2014, the mission was scaled up, renamed Operation Barkhane and was aimed at counter-terrorism.
- The objective was to assist local armed forces to prevent the resurgence of non-state armed groups across the Sahel region.
- Around 4,500 French personnel were deployed with the local joint counter-terrorism force.