

24-08-2021

**ZYCOV-D Vaccine****Question: Consider the following statements:**

1. ZYCOV-D is a plasmic DNA vaccine, which produces the spike protein of SARS-COV-2, and elicits a cellular and humoral immune response of the human immune system.
2. Generic drug maker Zydus Candila had applied for approval of the ZYCOV-D vaccine based on an efficacy rate of 66.6 percent in more than 28,000 volunteer trials across the country.
3. It will also become the world's first DNA vaccine to be approved in any country.

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

- (A) 01 and 02                      (B) 02 and 03  
(C) 01 and 03                      (D) all of the above

**Answer:- (D) All of the above**

**Role:-** Recently the subject expert committee of the Indian drug regulator has recommended the approval of Zydus Candila Company's three-dose Kovid-19 vaccine lvt.c for emergency use.

**Exam Useful Points:-**

- Genetic drug maker Zydus Candila had applied for approval of the ZYCOV-D vaccine based on an efficacy rate of 66.6 percent in more than 28,000 volunteer trials across the country.
- ZYCOV-D is a plasmic DNA vaccine, which produces the spike protein of SARS-COV-2, and elicits a cellular and humoral immune response of the human immune system.
- ZYCOV-D vaccine will become the fifth vaccine approved for use in the country after locally produced 'Covishield' Bharat Biotech's Covaxin, Russia's Sputnik-T and US-manufactured 'Marderna'.
- It will also become the world's first DNA vaccine to be approved in any country.

**Malabar naval exercise****Question: Consider the following statements:**

1. This maritime exercise will be conducted in the island of Guam, which is a territory of the US. It is located 2500 km east of the Philippines.
2. The Malabar exercise is an annual naval exercise between the navies of India, Japan, Australia and the US.
3. The Malabar exercise was started in 1992 as a bilateral naval exercise between India and the US in 1992.

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

- (A) 01 and 02      (B) 02 and 03  
(C) 01 and 03      (D) all of the above

**Answer:- (D) All of the above**

**Role:-** Navies of India, US, Australia and Japan will conduct the Malabar naval exercise from 26 August 2021.

**Exam Useful Points:-**

- It will be conducted with the aim of enhancing interoperability, benefiting from best practices and developing a common understanding of the processes required for maritime security operations.
- This maritime exercise will be conducted from the island of Guam, which is a territory of the US. It is located 2500 km east of the Philippines.
- The Malabar exercise is an annual naval exercise between the navies of India, Japan, Australia and the US.
- It is held alternately in the Indian Ocean and the Pacific Ocean.
- The Malabar exercise was started in 1992 as a bilateral naval exercise between India and the US in 1992.

- In 2015 it was expanded to a tripartite format by including Japan. In November 2020, Australia also agreed to join the exercise at the request of India.
- The Malabar exercise is conducted annually with the aim of supporting a free and inclusive Indo-Ocean region.
- It seeks to achieve interoperability with an emphasis on humanitarian aid anti-submarine warfare, artillery training, surface warfare maneuvers, counter-terrorist operations and aerial surveillance.
- The issue of Australia's inclusion in Malabar was discussed at the Quad Foreign Ministers' meeting in Tokyo in October 2020. After this meeting, India invited Australia to join.
- The decision was taken with the goal of enhancing the capacity of India, Japan, Australia and the US to work jointly towards bringing peace and stability to the Indo-Pacific region.

### konkan exercise 2021

**Question: Consider the following statements:**

1. The Konkan exercise saw the participation of Integrated Helicopters and Falcon Electronic Warfare aircraft from two ships.
2. The naval Konkan exercise is conducted between the navies of India and the United Kingdom.
3. The bilateral Konkan exercise which started in 2004 has now grown on a large scale.

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

- (A) 01 and 02                      (B) 02 and 03  
(b) 01 and 03                      (D) all of the above

**Answer:- (D) All of the above**

**Role:-** Recently on 21st August, Konkan Exercise 2021 was conducted between INS Tabar and HMS Westminster in the English Channel.

**Exam Useful Points:-**

- The Konkan exercise saw the participation of two ships with integrated helicopters and Falcon Electronic Biosphere aircraft.
- During this exercise, exercises such as coordinated anti-submarine procedures, firing exercises, replenishment at sea were conducted.
- Naval exercise Konkan is conducted between the navies of India and the United Kingdom.
- The exercise provides a platform to the navies to conduct periodic sea and port exercises, to build interoperability and share best practices.
- The bilateral Konkan exercise started in 2004 and has now grown on a large scale.
- INS Tabar is the third Talwar-class frigate in the Indian Navy, commissioned on 19 April 2004 at Kaliningrad Russia.
- INS Tabar has been assigned to the Western Naval Command of the Indian Navy, headquartered in Mumbai.
- HMS Westminster is a Royal Navy Type 23 frigate, which was launched on 4 February 1992. It is named after the Dukedom of Westminster.

