

Q: Consider the following statement regarding Research and Analysis Wing (R&AW):

1. It was established to handle the India's international intelligence affairs.
2. It carries both covert and overt operations.
3. It operates under the aegis of Defence Minister.

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:

- Research and Analysis Wing (R&AW) was established in 1968 to handle the India's international intelligence affairs.
- It came into force after the China-India War in 1962.
- At present, the intelligence arm operates under the aegis of the Prime Minister's Office.
- It collects military, economic, scientific, and political intelligence through covert and overt operations.
- The agency is also charged with monitoring terrorist elements and smuggling rings that transport weapons and ammunition into India.

Q: Consider the following statement regarding Asia Pacific Plant Protection Commission:

1. It was established by United Nation Environment Programme (UNEP).
2. It was an intergovernmental organization that promotes cooperation among countries in the Asia-Pacific region to enhance plant health and plant protection.
3. India is a member of this commission.

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:

- Asia Pacific Plant Protection Commission is an intergovernmental organization that promotes cooperation among countries in the Asia-Pacific region to enhance plant health and plant protection.
- It was established in 1956 as a regional body approved by the Food and Agriculture Organization (FAO) of the United Nations.
- The commission consists of 25 member countries, including India.
- The Commission consists of representatives of all member countries and elects amongst them a Chairperson who serves for a period of two years.
- The Director-General of the Food and Agriculture Organization appoints and provides the secretariat that coordinates, organizes and follows up the work of the Commission.
- The Commission, according to its provisions convenes at least once every two years and opens for participation to all member countries.
- The commission coordinates and supports plant protection activities of its Members in Asia and the Pacific, with emphasis on developing regional standards for phytosanitary measures (RSPMs) etc.

Q: Consider the following statement regarding Lake Victoria:

1. It is bordered by Tanzania, Uganda, and Kenya.
2. It is a source of the White Nile River.

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:

- Lake Victoria is the world's second-largest freshwater lake.
- It is located in East Africa, bordered by Tanzania, Uganda, and Kenya.

- It is also called Victoria Nyanza in Kenya, Nalubaale in Uganda, and Ukerewe in Tanzania.
- It is a source of the White Nile River which flows northward and eventually joins the Blue Nile in Sudan to form the Nile River.

Q: Consider the following statement regarding Gangotri National Park:

1. The area is bordering Kedarnath Wildlife Sanctuary and Govind National Park.
2. Chaukhamba I, Satopanth and Kedarnath Main are the major peaks within this park.
3. Gangotri Glacier is located in the park boundaries.

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:

- Gangotri National Park is located in the Uttarkashi District region of the state of Uttarakhand.
- It sits along the upper catchment of the Bhagirathi River.
- The northeastern section of the park forms the international boundary of India and Tibet (China).
- The area enclosed by the park also borders Kedarnath Wildlife Sanctuary and Govind National Park.
- The park spans 2,390 sq km (920 sq mi) of land across a highly mountainous part of the country.
- The mountains in the park are part of the Gangotri Group of the Garhwal Himalayas, which are a subrange of the eastern Himalayas.
- Major peaks within the park include Chaukhamba I, Satopanth, Chaukhamba II, Chaukhamba III, and Kedarnath Main.
- The famous Gangotri Glacier is located in the park boundaries and is known for being one of the primary sources of the Ganges.

Q: Consider the following statement regarding GEMCOVAC –OM Vaccine:

1. It is implemented by Biotechnology Industry Research Assistance Council (BIRAC).
2. It is delivered intra-dermally using a needle-free injection device system.
3. It requires ultra-cold chain infrastructure.

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:

- GEMCOVAC –OM Vaccine was developed using the indigenous platform technology by Gennova Biopharmaceuticals Ltd. and supported under the Mission COVID Suraksha, implemented by Biotechnology Industry Research Assistance Council (BIRAC).
- It is a thermo-stable vaccine, which does not require ultra-cold chain infrastructure used for other approved mRNA-based vaccines, making it easy for deployment pan India.
- It is delivered intra-dermally using a needle-free injection device system.
- When administered intradermally in participants as a booster, it generated significantly higher immune responses.
- The clinical outcome demonstrates the need for variant-specific vaccines for desired immune response.