

Q: Consider the following statement regarding Global Gender Gap Report 2023:

1. It is released annually by the World Economic Forum (WEF).
2. Iceland is the most gender-equal country in the world for the 14th consecutive year.
3. India rank is better than Bangladesh, Nepal and Sri Lanka.

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:

- Global Gender Gap Report is released annually by the World Economic Forum (WEF) since 2006.
- It measures gender parity in 146 countries and across four areas: economic participation and opportunity, educational attainment, health and survival and political empowerment.
- Highlights of Global Gender Gap Report 2023:
 - India was ranked at 127 out of 146 countries in terms of gender parity, an improvement of eight places from last year.
 - According to the report, India had attained parity in enrolment across all levels of education.
 - The index ranked India's neighbours Pakistan at 142, Bangladesh at 59, China at 107, Nepal at 116, Sri Lanka at 115 and Bhutan at 103.
- Iceland is the most gender-equal country in the world for the 14th consecutive year and the only one to have closed more than 90% of its gender gap.

Q: Consider the following statement regarding Canary Island:

1. It is an archipelago located in the Pacific Ocean.
2. They have a subtropical climate.
3. It has rich volcanic soils.

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:

- Canary Island is an archipelago located in the Atlantic Ocean.
- It is about 1300 km South of mainland Spain and 115 km West of the African coast (Morocco).
- The Canaries comprise the Spanish provincias (provinces) of Las Palmas and Santa Cruz de Tenerife.
- These Islands were formed by volcanic eruptions millions of years ago.
- They have a subtropical climate. Temperatures are warm and show little seasonal variation.
- It has rich volcanic soils and mild temperatures that support a wide variety of vegetation that generally follows a zonal arrangement based on elevation.

Q: Consider the following statement regarding Deendayal Antyodaya Yojana-National Urban Livelihoods Mission (DAY-NULM):

1. It is a flagship mission under the Union Ministry of Housing and Urban Affairs.
2. It has the aim to uplift the urban poor by enhancing sustainable livelihood opportunities through skill 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:

- Deendayal Antyodaya Yojana-National Urban Livelihoods Mission (DAY-NULM) is a flagship mission under the Union Ministry of Housing and Urban Affairs.
- It has the aim to uplift the urban poor by enhancing sustainable livelihood opportunities through skill development.

- It will be shared between the Centre and the States in the ratio of 75:25. For North Eastern and Special Categories – the ratio will be 90:10.

Q: Consider the following statement regarding Tryptophan:

1. It is an amino acid needed for normal growth in infants for maintenance of the body's proteins, muscles, enzymes, and neurotransmitters.
2. The body helps to make melatonin and serotonin.
3. The liver can also use tryptophan to produce niacin.

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:

- Tryptophan is an amino acid needed for normal growth in infants and for the production and maintenance of the body's proteins, muscles, enzymes, and neurotransmitters.
- It is an essential amino acid. This means your body cannot produce it, so you must get it from your diet.
- The body uses tryptophan to help make melatonin and serotonin.
- Melatonin helps regulate the sleep-wake cycle, and serotonin is thought to help regulate appetite, sleep, mood, and pain.
- The liver can also use tryptophan to produce niacin (vitamin B3), which is needed for energy metabolism and DNA production.

Q: Consider the following statement regarding Sarmat Missile:

1. It is a new generation intercontinental ballistic missile.
2. It is capable of carrying 10 or more nuclear warheads.
3. It is capable of firing ICBM into a upper orbit of the Earth.

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:

- The RS-28 Sarmat is Russia's new generation intercontinental ballistic missiles.
- It is named after the Sarmatian people of the fourth and fifth century BC. It has also been referred to in the West as the "Satan II".
- It is capable of carrying 10 or more nuclear warheads.
- It is designed and built by the Makeyev Rocket Design Bureau, Russia.
- A fractional orbital bombardment means firing an ICBM into a low orbit of the Earth – much lower than a conventional firing – potentially in the opposite direction to the target.