

Q: Consider the following statement:

1. Russia share in the global export of wheat is more than Ukraine.
2. Ukraine is the largest exporter of corn.

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: a

Explanation:

- Russia and Ukraine together account for more than a quarter of the world's wheat supplies. Russia's share in the global exports of wheat, the world's most widely grown crop, is some 20%, while Ukraine accounts for 8%, according to the U.S. Food and Drug Administration's Foreign Agricultural Service (FAS).
- Wheat is a staple food for at least 35% of the world's population, as per the estimates of the UN Food and Agriculture Organization (FAO). About 50 countries depend on Russia and Ukraine for more than 30% of their wheat imports, according to the FAO.
- If Azerbaijan and Georgia source more than 80% of their imported wheat from Russia and Ukraine, Turkey, Egypt, Bangladesh and Lebanon meet over 60% of their imports from these two countries.
- Besides wheat, Ukraine is the world's eighth largest producer and fourth largest exporter of corn, accounting for 16% of global exports.

Q: Recently, in a medical trial, 12 patients in the United States were completely cured of rectal cancer. Consider the following statement:

1. Immunotherapy treatment in India had not been started yet.
2. 'Mismatch repair deficient' cancer is most common among colorectal, gastrointestinal, and endometrial cancers.
3. PD1 is a type of protein that regulates certain functions of the immune system, including by suppressing T cell activity.

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:

- 'Mismatch repair deficient' cancer is most common among **colorectal, gastrointestinal, and endometrial cancers**. Patients suffering from this condition lack the genes to correct typos in the DNA that occur naturally while cells make copies.
- The immunotherapy belongs to a category called **PD1 blockades** that are now recommended for the treatment of such cancers rather than chemotherapy or radiotherapy.
- **PD1 is a type of protein** that regulates certain functions of the immune system, including by suppressing T cell activity, and PD1 blockade therapy looks to release the T cells from this suppression.
- The first immunotherapy treatment in India was conducted at AIIMS in 2015.
- India has a couple of PD1 blockades available, although not the one used for this study.

Q: Recently, Spain voted to approve bill that makes consent a key factor in sexual assault cases. Consider the following statement:

1. The draft law eliminates the legal distinction between 'sexual assault' and 'sexual abuse'.
2. The Bill also brings female genital mutilation, forced marriage, harassment within the ambit of sexual violence.

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:

- Recently, the **Congress of Deputies**, Lower House of Spain's Parliament voted to approve a Bill that makes consent a key factor in sexual assault cases.
- The draft law **eliminates the legal distinction between 'sexual assault' and 'sexual abuse'**. It classifies all behaviours that violate sexual freedom without the consent of the other person as sexual assault.
- The Bill notes that sexual violence is one of the most common forms of human rights violations committed in Spain and disproportionately affects women and girls.
- The Bill also brings female genital mutilation, forced marriage, harassment with sexual connotations, and trafficking for the purpose of sexual exploitation within the ambit of sexual violence.

Q: Recently, the Reserve Bank of India's Monetary Policy Committee (MPC) voted unanimously to raise the repo rate in a bid to slow inflation. Consider the following statement and choose the incorrect option:

- a) The change in Repo rate has a direct effect on retail loans.
- b) NBFC deposits and Fixed income investors will get benefit.
- c) The prices are determined by the supply and the demand for goods and services in an economy.
- d) Inflation will be affected by money supply alone.

Ans: d

Explanation:

- Repo is the rate at which banks take loans from RBI to meet their immediate needs. The change in this rate has a direct effect on retail loans, increasing the repo rate means that banks will get loans from RBI at a higher rate.
- Also positive for Bank, NBFC deposits and Fixed income investors will get benefit from returns on savings products such as small savings schemes.
- The prices are determined by the supply and the demand for goods and services in an economy. As such, the price rise in any given situation may be caused by either an increase in demand or lack of supply or both.
- It depends on certain situations. Inflation is not affected by money supply alone. The current high inflation has more to do with disruption of supply, caused by the ongoing Russia-Ukraine war which has raised commodity prices such as that of crude oil, fertiliser.

Q: Recently Union Cabinet signed MoU with UAE on Cooperation in the field of Industries and Advanced Technologies.

Consider the following statement:

1. Renewable & Energy Efficiency
2. Artificial Intelligence
3. Encourage climate resilient water management practices

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 Union Cabinet has approved the proposal for signing a bilateral Memorandum of Understanding (MoU) between India and the United Arab Emirates (UAE) on Cooperation in the field of Industries and Advanced Technologies.

The MoU envisages cooperation on a mutually beneficial basis in the following areas:

- a) Strengthening the Supply Chain Resilience of Industries

- b) Renewable & Energy Efficiency
- c) Health and life sciences
- d) Space Systems
- e) Artificial Intelligence
- f) Industry 4.0 Enabling Technologies
- g) Standardization, metrology, conformity assessment, accreditation, and Halal certification.