

# CURRENT AFFAIRS MCQs 15-08-2023

## Ques:1

Consider the following statements with reference to Biosimilars:

1. Biosimilar is a biologic medical product that is similar to an original product manufactured by a different company.
2. They are usually lower-cost alternatives to their original biologic.
3. They are less sensitive to temperature, easy to maintain and do not require cold chain network.

How many of the above statements is/are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Correct Answer

Answer: b

A biosimilar is a biologic that is “similar” to another biologic medication. Biosimilars and reference products are very similar in terms of safety, purity, and potency, but may differ somewhat in clinically inactive components. Biosimilars are all prescribed medications. The same raw materials and production techniques as the original biologic are used to create biosimilars. They are created and developed to be close to the original medication on which they are based. The growth in the biosimilars market is welcome from a human development standpoint because they are more affordable than biologics, the high cost of which often puts them out of reach of many patients.

The pricey and drawn-out development process might take up to six or seven years. The temperature has a significant impact on the maintenance of biosimilars because of their great sensitivity. They must therefore be distributed via a cold chain network.

Biosimilars and generic products differ significantly in terms of manufacturing costs and the required capital expenditures for machinery, buildings, and other assets.



### Ques:2

With reference to the National Statistical Office, consider the following statements:

- 1.It acts as the nodal agency under the Ministry of Statistics and Programme Implementation for planned development of the statistical system in the country.
- 2.It compiles and releases the Index of Industrial Production (IIP) every year.

Which of the statements given above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

Correct Answer

Answer: a

Explanation

Statement 1 is correct: NSO acts as the nodal agency under the Ministry of Statistics and Programme Implementation for planned development of the statistical system in the country, lays down and maintains norms and standards in the field of statistics, involving concepts and definitions, methodology of data collection, processing of data and dissemination of results.

Statement 2 is incorrect: It compiles and releases the Index of Industrial Production (IIP) every month in the form of 'quick estimates'; conducts the Annual Survey of Industries (ASI); and provides statistical information to assess and evaluate the changes in the growth, composition and structure of the organized manufacturing sector.

### Ques:3

With reference to the EL NINO, consider the following statements:

- 1.It is a climate pattern that describes the unusual warming of surface waters in the eastern tropical Pacific Ocean.
- 2.It was first recognized by Peruvian fishermen off the coast of Peru.
- 3.The El Nino event is not a regular cycle, they are not predictable and occur irregularly at two- to seven-year intervals.



How many of the statements given above is/are correct?

- a) No statement
- b) One statement
- c) Two statements
- d) All statements

Correct Answer

Answer: d

Explanation

Statement 1 is correct : El Nino is a climate pattern that describes the unusual warming of surface waters in the eastern tropical Pacific Ocean.

It is the “warm phase” of a larger phenomenon called the El Nino-Southern Oscillation (ENSO). It occurs more frequently than La Nina.

Statement 2 is correct : El Nino was first recognized by Peruvian fishermen off the coast of Peru as the appearance of unusually warm water.

Statement 3 is correct : The El Nino event is not a regular cycle; they are not predictable and occur irregularly at two- to seven-year intervals.

#### Ques:4

How many of the following generally are Rabi crops?

Wheat

Peas

Paddy

Barley

Select the correct answer using the code given below:

- a) All crops are Rabi Crop
- b) One crop is a Rabi Crop
- c) Two crops are Rabi Crop
- d) Three crops are rabi crop



Correct Answer

Answer: d

Explanation

Rabi crops are sown around the Retreating Monsoon and Northeast monsoon season, which begins in October and are called rabi or winter crops.

The harvest for these crops happens typically during April and May, during the summer season.

These crops are not much affected by the rainfall.

Major Rabi crops are wheat, gram, peas, barley etc.

Paddy, generally, is a kharif crop.

**Ques:5**

With reference to DPT3 Vaccine, consider the following statements

- 1.The DPT vaccine protects against Dengue, Polio, and Tuberculosis.
- 2.The DPT vaccine is considered a marker for immunisation coverage across countries.
- 3.The coverage rate for DPT3 in India rose to an all-time of 93% in 2022, surpassing the previous pre-pandemic record.

How many of the above statements is/are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Correct Answer

Answer: b

The DPT vaccine or DTP vaccine is a class of combination vaccines against three infectious diseases in humans: diphtheria, pertussis (whooping cough), and tetanus.

The vaccine components include diphtheria and tetanus toxoids and either kill whole cells of the bacterium that causes pertussis or pertussis antigens.



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The DPT vaccine is considered a marker for immunisation coverage across countries.

At 81 percent now it represents the largest sustained decline in childhood vaccinations in 30 years.

The coverage rate for DPT3, the third dose of diphtheria, pertussis and tetanus vaccines, in India rose to an all-time of 93% in 2022, surpassing the previous pre-pandemic best of 91% recorded in 2019, and also marking a sharp increase from the 85% recorded in 2021, the World Health Organization (WHO) said.