

January 17, 2019

Q.1) Invasive species are one of the reasons of extinction of endemic species. Consider the following statements regarding 'Invasive species'

1. These species are first to colonise in a disrupted or new ecosystem, beginning a chain of succession.
2. These species are usually alien to an ecosystem and harmful to its endemic species.
3. Only plant species comes under the category of invasive species.

Which of the above statements are INCORRECT with respect to 'invasive species'?

- a) 1 and 3
- b) 2 and 3
- c) 1 and 2
- d) All of the above

Q.1) Solution (a)

Incorrect options are asked.

Invasive species are plants, animals, or pathogens that are non-native (or alien) to the ecosystem under consideration and whose introduction causes or is likely to cause harm.

Q.2) Which of the following are the necessary features of Parliamentary government?

1. Collective Responsibility
2. Political Homogeneity
3. Double Membership
4. Secrecy
5. Majority Party Rule

Select the correct codes:

- a) 1, 2 and 3 only
- b) 1, 2, 3 and 5 only
- c) 2, 3, 4 and 5 only
- d) 1, 2, 3, 4 and 5

Q.2) Solution (d)

The features of Parliamentary government are

January 17, 2019

- Nominal and Real Executive
- Collective Responsibility
- Political Homogeneity
- Double Membership
- Secrecy
- Majority Party Rule
- Leadership of PM
- Dissolution of Lower House

Q.3) Consider the following statements:

1. The 'Landholders' Society' marked the beginning of an organised political activity and used the method of constitutional agitation for the redressal of grievances.
2. The 'Bengal British India Society' founded in 1843, was with the objective of stimulating the sense of nationalism amongst the people and of encouraging political education.

Which of the following statements is/are correct?

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

Q.3) Solution (a)

In 1831, Dwarkanath Tagore had established the "Landholders Society" along with Prasanna Kumar Tagore, Radhakanta Deb, Ramkamal Sen and Bhabani Charan Mitra. The Landholders society was known as the first organization of Bengal with distinct political object. It was followed by British India Society in 1839.

British India Society was founded in 1839 in England with the efforts of William Adam, one of the friends of Raja Ram Mohan Roy. William Adam had come to India and got in touch with Raja Ram Mohan Roy and when he returned England, he took up India's cause along with George Thompson, William Ednis, and Major General Briggs. The result was organizing meetings at several places and creating awareness about the conditions in India.

In 1842, Dwarkanath Tagore went to England along with Chandramohan Chatterjee and Paramananda Maitra. He returned from England with George Thomson. With the efforts of George Thomson, Bengal British India Society was founded on 20 April 1843. The idea was

January 17, 2019

to secure the welfare, and advance the interests of all classes, in pure loyalty to the government of the reigning sovereign of the British dominions.

The object of Bengal British India Society was “the collection and dissemination of information relating to the actual condition of the people of British India and to employ such other means of peaceful and lawful character as may appear calculated to secure the welfare, extend the just rights and advance the interests of all classes of our fellow subjects”.

In 1851, both the Landholders' Society and the Bengal British India Society merged into a new one named the British Indian Association. The Indian League was founded by Sisir Kumar Ghose in 1875 with the object of “stimulating the sense of nationalism amongst the people” and of encouraging political education.

Q.4) The balance of payments of a country is a systematic record of

- a) Goods exported from a country during a year.
- b) Economic transaction between the Government of one country and another
- c) Capital movements from one country to another.
- d) All import and transactions of a country during a given period normally a year

Q.4) Solution (d)

The balance of payments (BoP) records the transactions in goods, services and assets between residents of a country with the rest of the world for a specified time period typically a year.

Q.5) 3D bio printing has made genetic engineering increasingly viable on 'Bio-materials'. Consider the following statements with reference to it:

1. Stem-cell is a kind of bio-materials.
2. Bio-materials can only be synthesized artificially in the Laboratories.

Which of the statement/s is/are correct?

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

January 17, 2019

Q.5) Solution (a)

Biomaterials can be derived either from nature or synthesized in the laboratory using a variety of chemical approaches utilizing metallic components, polymers, ceramics or composite materials. A biomaterial is any matter, surface, or construct that interacts with living systems; therefore, Stem cells are part of Biomaterials.

