

June 14, 2019

Q.1) Consider the following statements with respect to 'Parthenogenesis'

1. It is a natural form of asexual reproduction
2. It takes place in plants only

Select the correct statements

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

Q.1) Solution (a)

Parthenogenesis is a natural form of asexual reproduction in which growth and development of embryos occur without fertilization. In animals, parthenogenesis means development of an embryo from an unfertilized egg cell. In plants parthenogenesis is a component process of apomixis.

Parthenogenesis occurs naturally in some plants, some invertebrate animal species (including nematodes, water fleas, some scorpions, aphids, some mites, some bees, some Phasmida and parasitic wasps) and a few vertebrates (such as some fish, amphibians, reptiles and very rarely birds). This type of reproduction has been induced artificially in a few species including fish and amphibians.

Q.2) Which of the following states can be referred to as the 'Molasses Basin'?

- a) Mizoram
- b) Goa
- c) Tamil Nadu
- d) Arunachal Pradesh

Q.2) Solution (a)

Q.3) Which of the following countries do not open into the 'Yellow Sea'?

- a) China
- b) North Korea

June 14, 2019

- c) South Korea
- d) Mongolia

Q.3) Solution (d)



Q.4) 'Gahirmatha rookery' and 'Mouth of rivers Rushikulya & Devi' is often seen in news, in the context of

- a) Kharai Camel
- b) Olive Ridley Turtles
- c) Great Indian Bustard
- d) Sangai Deer

Q.4) Solution (b)

An important breeding area for olive Ridleys in the Indian Ocean along the Bay of Bengal is Odisha

June 14, 2019

- Gahirmatha rookery
- Devi river mouth and
- Rushikulya river mouth

Q.5) The town of Orchha was in news recently. Consider the following statements

1. The town depicts a peculiar style of the Bundela dynasty.
2. It is situated on the banks of the Betwa River.

Select the correct statements

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

Q.5) Solution (c)

Orchha is situated on the banks of the Betwa river. It is located around 80 km away from Tikamgarh district in Madhya Pradesh and 15 km from Jhansi of Uttar Pradesh. Orchha was built by King Rudra Pratap Singh of Bundela dynasty in the 16th century. The ancient town is famous for its Chaturbhuj Temple, Orchha fort complex, Raja Mahal among others.

The Bundela architecture has Mughal influence since the two dynasties were very close.

