MCQs:

1. Which of the following statements are true?

1. Bioremediation is a process that uses mainly microorganisms, plants, or microbial or plant enzymes to detoxify contaminants in the soil and other environments..

2. Bioremediation is costlier compared to conventional treatment methods.

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

Ans: a

Explanation:

- Bioremediation is known as a costs effective process compared to conventional treatment methods.
- Bioremediation can take place a**naerobically or aerobically** with the assistance of microorganisms.

2. Chabahar port is located at?

(a) Russia

(b) Iran

(c) Pakistan

(d) Sri Lanka

Ans: b

Explanation:

- Chabahar Port is a seaport in Chabahar located in southeastern Iran, on the Gulf of Oman. It serves as Iran's only oceanic port, and consists of two separate ports named Shahid Kalantari and Shahid Beheshti, each of which has five berths.

3.eSanjeevani is associated with?

(a) Tele medicine service

(b) Government Hospitals Grievance redressal

(c) Covid-19 data portal

(d) None of the above

Ans: a

Explanation:

- National Telemedicine Service, eSanjeevani, has clocked 8 crore tele-consultations so far.

4. Which of the following statement/s are true?

1. Sponge filter large quantities of water, capturing small food particles and moving carbon from the water column to the seafloor.

2. Like corals, sponges contain symbiotic organisms thought to be critical to their survival.

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

Ans: c

Explanation:

- Like corals, **sponges contain symbiotic organisms** thought to be critical to their survival.
- Cymbastella lamellata is unusual in that it hosts dense populations of **diatoms, small single-celled photosynthetic plants that give the sponge its brown colour.**

5. Diatoms are?

(a) A type of Algae

(b) Recombinant DNA technique

(c) Soil bacteria

(d) Fungi causing rust disease

Ans: a

Explanation:

- A diatom is any member of a large group comprising several genera of algae, specifically microalgae, found in the oceans, waterways and soils of the world.