



MCQs:

1. Which of the following statement/s is/are true?

- 1. A nanoparticle is a small particle that ranges between 1 to 100 nanometres in size.**
- 2. Many cosmetic products used in our daily life are made with the assistance of nano technologies.**

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

Ans: c

Explanation:

- Undetectable by the human eye, nanoparticles can exhibit significantly different physical and chemical properties to their larger material counterparts.
- Among metal and metal oxide nanoparticles (NPs) potentially present in cosmetics, those containing titanium dioxide and zinc oxide are common ingredients added to obtain a sufficient sun protection.

2. The Senaku Island is located at?

- (a) East China Sea
(b) South China Sea
(c) Bohai Sea
(d) Huanghai Sea

Ans: a

Explanation:

- The Senkaku Islands are a group of uninhabited islands in the East China Sea. They are known in mainland China as the Diaoyu Islands.



3. Tampara Certain species of which one of the following organisms are well known as cultivators of fungi?

- (a) Ant
- (b) Cockroach
- (c) Crab
- (d) Spider

Ans: a

Explanation:

- Fungiculture evolved independently at least six times in three orders of insects. Fungus-farming ants, termites, beetles and wasps are prime examples of obligate fungiculture. Insects cultivate fungi for food or structure.

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

- 1. DNA barcoding is the identification of a species by the characteristic sequence of a standard short section of DNA in its genome.**
- 2. DNA barcoding is done by comparing an individual DNA sequence with a reference library of such DNA sections.**

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

Ans: c

Explanation:

DNA barcoding is the identification of a species by the characteristic sequence of a standard short section of DNA in its genome. DNA barcoding is done by comparing an individual DNA sequence with a reference library of such DNA sections (called sequences).

5. Erragudi Asokan edict is located at?



- (a) Gujarat
- (b) Orissa
- (c) Andhra Pradesh
- (d) Tamil Nadu

Ans: c

Explanation:

- Erragudi (Kurnool district, Andhra Pradesh)