

Q1 Identify the correct statements from the following:

1. Tropical rainforests now cover only about 6% of the Earth's land surface.
2. Habitat fragmentation does not affect animals with migratory habits.
3. The Amazon rainforest is referred to as the "lungs of the planet."
4. Pollution can contribute to the degradation of natural habitats.

- (A) Only 1, 2, and 3 are correct
(B) Only 1, 3, and 4 are correct
(C) Only 2 and 4 are correct
(D) All statements are correct

Q2 Statement I: Robert May estimated the total number of global species to be around 7 million.

Statement II: Robert May estimation includes both already described and undiscovered species.

- (A) Both statements are true.
(B) Statement I is true, Statement II is false.
(C) Statement I is false, Statement II is true.
(D) Both statements are false.

Q3 Sacred groves are found in khasi and jaintia hills of ____(i)____, Aravalli hills of ____(ii)____, Western Ghat regions of ____(iii)____.

- (A) (i)– Meghalaya, (ii) – Rajasthan, (iii) – Karnataka and Maharashtra
(B) (i)– Meghalaya and Maharashtra, (ii) – Rajasthan, (iii) – Madhya Pradesh
(C) (i)– Madhya Pradesh and Maharashtra, (ii) – Rajasthan, (iii) – Meghalaya
(D) (i)– Rajasthan, (ii) – Meghalaya, (iii) – Karnataka and Maharashtra

Q4 Which of the following is an example of co-extinction?

- (A) African catfish outcompeting native catfish
(B) Lantana invading Indian forests
(C) Extinction of a host fish leading to the extinction of its parasites
(D) Spread of water hyacinth in lakes

Q5 According to the latitudinal gradient, which region shows the highest biodiversity?

- (A) Temperate regions
(B) Tropical regions
(C) Polar regions
(D) Alpine regions

Q6 There are four major causes of accelerated rates of species extinction, which are collectively called as 'the evil quartet'. Which one of the following is not included in 'the evil quartet'?

- (A) Over exploitation
(B) Pollution
(C) Co-extinctions
(D) Alien species invasions

Q7 Which of the following statements is incorrect?

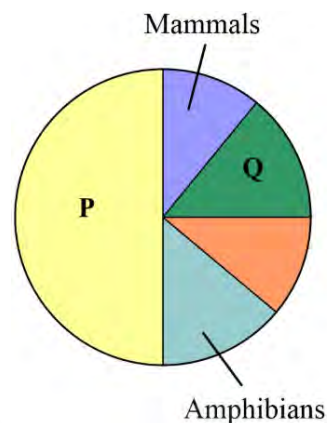
- (A) Statistical extrapolation is a tool to predict total species based on known data.
(B) All species on Earth have now been discovered.
(C) Most undiscovered species are likely to be in tropical regions.
(D) IUCN maintains records of species described by scientists.



- Q8** Fill in the blanks and mark the correct option.
 A (i) community should not show too much variation in productivity from year to year; it must be either resistant or resilient to occasional disturbances, and it must also be resistant to (ii) by (iii) species.
 (A) (i) unstable, (ii) invasions, (iii) alien
 (B) (i) stable, (ii) aliens, (iii) invasion
 (C) (i) stable, (ii) invasions, (iii) alien
 (D) (i) unstable, (ii) aliens, (iii) invasion

- Q9** The traditional medicines used by native peoples around the world are contributed by approximately how many species of plants?
 (A) 5,000 species (B) 10,000 species
 (C) 25,000 species (D) 50,000 species

- Q10** The given pie diagram represents the proportionate number of species of major taxa of vertebrates. Identify the groups P and Q and choose the correct option.



- (A) P– Reptiles, Q–Birds
 (B) P– Fishes, Q–Birds
 (C) P– Birds, Q–Fishes
 (D) P– Birds, Q–Reptiles

