

21. With reference to the term 'Bioprospecting', consider the following statements:

1. It is the exploration, extraction and screening of biological diversity.
2. It is done to identify the overall 'alpha' and 'beta' diversity of an ecosystem.

Which of the statements given above is/are correct?

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

22. With reference to the 'Torrefaction' technology, which of the following statements is **not** correct?

- (a) It is a thermochemical process.
- (b) It is done in the absence of oxygen at atmospheric pressure.
- (c) The process causes biomass to partly decompose into methanol.
- (d) It can help tackle air pollution due to stubble burning.

23. With reference to the Namdapha National Park, consider the following statements:

1. It is the largest protected area in the Eastern Himalaya biodiversity hotspot.
2. It is home to four big cat species: Snow leopards, clouded leopards, common leopards and tigers.
3. The park harbours the northernmost lowland evergreen rainforests in the world.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 and 3 only
- (c) 3 only

(d) 1, 2 and 3 only

24. With reference to 'Himalayan Serow', consider the following statements:

1. They are the only subspecies of serow that are omnivores
2. It is restricted to the Himalayan region.

Which of the statements given above is/are correct?

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

25. With reference to Convergent evolution, consider the following statements:

1. The similarities between Dolphin and Shark is an example of convergent evolution.
2. Convergent evolution leads to speciation.

Which of the statements given above is/are correct?

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

26. With reference to Blackbuck population in India, consider the following statements:

1. It is accorded the status of 'least concern' as per the IUCN status.
2. It is the state animal of Telangana, Punjab and Haryana

Which of the statements given above is/are correct?

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