

49. Which one of the following statements best describes Darwin's Paradox:
- (a) productive and diverse ecosystems like coral reefs thrive in the ocean equivalent of a desert with few nutrients.
 - (b) humans through artificial selection can control of choosing which traits show up in future generations, and which ones do not.
 - (c) physical changes in organisms during their lifetime such as greater development of an organ or a part through increased use could be transmitted to their offspring.
 - (d) animals adapt to a new stress in the environment through behavioural changes, followed by genetic change.

50. Consider the following species:

1. Pink Headed duck
2. Coconut Crab
3. Deolali minnow

What is common to the above-mentioned species?

- (a) They are species in India that are listed as possibly extinct in the ICUN Red list.
- (b) They are endemic to the Himalayan ranges.
- (c) These species were given green status by IUCN after their significant recovery in recent times.
- (d) They are keystone species of mangrove ecosystem.

51. Consider the following statements about the second Jain council in the 6th century CE:

1. It was held at Vallabhi under the chairmanship of Sthulabahu.
2. It resulted in the compilation of Upangas for Svetambara only.

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

52. With reference to the 'Noise pollution (Regulation and Control) rules 2000', which one of the following statements is correct?

- (a) Loudspeakers can be used in daytime without any prior approval.
- (b) Sale of crackers causing noise of more than 60 db are banned.
- (c) Acoustic barriers should be present around construction activities.
- (d) Noise level near the construction site should not exceed 60 db.

53. With reference to the Bureau of Energy Efficiency (BEE), consider the following statements:

1. It is an executive body formed through the resolution passed by the central government.
2. It is mandatory for color TV, electric geysers, and direct cool refrigerator in India to have BEE ratings.
3. It works under the Ministry of New and Renewable Energy.

Which of the statements given above is/are correct?

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