

BIOLOGY**BIODIVERSITY AND ITS CONSERVATION**

31. Select the option with highest richness of bird species among the following:
- (1) Columbia
 - (2) Amazonian rain forest
 - (3) Mid-west USA
 - (4) New York
32. Around 56 species of _____ can be seen in the region of _____.
- (1) Birds, Greenland
 - (2) Reptiles, New York
 - (3) Birds, New York
 - (4) Amphibians, India
33. The number of bird species discovered and recorded in India, Columbia and Amazonian rain forest are _____, _____ and _____ respectively.
- (1) 427, 378 and 1,300
 - (2) 4,000, 1,200 and 1,25,000
 - (3) 1,200, 1,400 and 1,300
 - (4) 1,300, 1,200 and 1,400
34. Select the correct option with latitudes of New York and Greenland respectively.
- (1) 23.5° N and 23° S
 - (2) 23° S and 23° N
 - (3) 41° S and 71° S
 - (4) 41° N and 71° N
35. Concept of 'Species-Area relationship' was proposed by
- (1) Carolus Linnaeus
 - (2) Tilman
 - (3) Alexander von Humboldt
 - (4) Charles Darwin
36. Species-Area relationship was described and proposed based on the observations of/ made during exploration in _____.
- (1) Deserts of Thar
 - (2) Tundra of Himalayas
 - (3) Wilderness of Western ghats of India
 - (4) Wilderness of South American jungles
37. Species-Area relationship was proposed by a
- (1) German naturalist
 - (2) German geographer
 - (3) British naturalist
 - (4) Both (1) and (2)
38. On a logarithmic scale, the 'species-area relationship' is a _____.
- (1) straight line
 - (2) sigmoid curve
 - (3) parabola
 - (4) hyperbola
39. On a logarithmic scale, the 'species-area relationship' can be described by the equation
- (1) $S = CA^Z$
 - (2) $S = CA^2$
 - (3) $\log S = \log C + Z \log A$
 - (4) $\log S = \log C - Z \log A$
40. The relation between species richness and area for a wide variety of taxa turns out to be
- (1) Parabola
 - (2) Sleeping line
 - (3) Rectangular hyperbola
 - (4) Sigmoid curve