

A. Choose the best answer from following Questions:

20 X 1 = 20

1. Which one of the following are at high risk extinction due to habitat destruction
a) Mammals b) Birds c) Amphibians d) Echinoderms
2. Which one of the following is not coming under insitu conservation
a) Sanctuaries b) Natural parks c) Zoological park d) Biosphere reserve
3. Which is not an indices of species diversity?
(a) Alpha diversity (b) Beta diversity (c) Delta diversity (d) Gamma diversity
4. Select the correct linear equation describing the species-area relationship.
(a) $\log C = \log S + Z \log A$ (b) $Z \log A = \log S + \log C$
(c) $\log S = \log C + Z \log A$ (d) $\log C = \log S \pm Z \log A$
5. The wild ass is endemic to
(a) the Western Ghats (b) Deccan Peninsula (c) the Himalayas (d) Indian desert
6. Species introduced deliberately in an area are referred to as
(a) Endemic species (b) Vulnerable species (c) Exotic species (d) Extinct species
7. Which is not an accepted biodiversity hotspot of India?
(a) Indian Himalayas (b) Western Ghats (c) Indo-Burma (d) Deccan Plateau
8. The concept of Red list was noted in
(a) 1953 (b) 1963 (c) 1973 (d) 2003
9. Which is considered as the Biogeographical Gateway of India?
(a) the Himalayas (b) Andaman & Nicobar (c) North – East India (d) Mumbai
10. The total number of mega biodiversity countries in the world is
(a) Twelve (b) Fifteen (c) Seventeen (d) Nineteen
11. In the E-waste generated by the Mobile Phones, which among the following metal is most abundant?
a) Copper b) Silver c) Palladium d) Gold
12. Excess of fluoride in drinking water causes:
a) Lung disease b) Intestinal infection c) Fluorosis d) None of the above
13. and are the major cause of acid rain
(a) Sulphur dioxide and Hydrogen peroxide (b) Hydrogen peroxide and Sulphuric acid
(c) Hydrochloride and sulphur dioxide (d) Sulphur dioxide and Nitrogen oxide
14. PAN stands for
(a) Peroxy acetic nitrogen (b) Perchloro acetate (c) Peroxyacetyl nitrate (d) Peractyl nitroxide
15. Average human consumption of oxygen per day is
(a) 280 L (b) 550 L (c) 620L (d) 730L
16. The intensity of noise is measured in.....
(a) Dobson (b) Hertz (c) Decibel (d) Frequency
17. E – Wastes are basically.....
(a) Poly iodinated biphenyl based compounds (b) Polychlorinated biphenyl based compounds
(c) Polyhydroxy biphenyl based compounds (d) Poly acetyl biphenyl based compounds
18. World Ozone Day was observed on.....
(a) September 16th (b) October 12th (e) December 1st (d) August 18th
19. UN conference on Sustainable development in 2012 was held at

- (a) Ruanda (b) Rio de Janeiro (c) Geneva (d) Stockholm

20. What is the name of the app published by the Central Pollution Control Board that provides updates on AQI

- (a) Hamear (b) Jhoan (c) Sameer (d) Industan

B. Answer the following questions (any 10)

Q.No 32 Compulsory

10 X 2 = 20

21. What are the three levels of biodiversity?
22. "Amazon forest is considered to be the lungs of the planet"-Justify this statement
23. What are called endangered species?
24. Name any two alien animal species introduced in India
25. Define hotspots.
26. How a national park can be defined?
27. What is species richness? Give example
28. Define BOD.
29. What is the primary purpose of the Kyoto Protocol?
30. How does recycling help reduce pollution?
31. What are some solutions to toxic dumping in our oceans?
32. What is Acid rain and effects of acid rain?
33. Define "Colony collapse syndrome"

C. Answer the following questions (any 10)

Q.No 38 Compulsory

10 X 3 = 30

34. What is Red data book? Mention its purposes
35. Alien species invasion is a threat to endemic species – substantiate this statement
36. What are the factors that drive habitat loss?
37. List out objectives of ZSI?
38. What are exotic species? Explain with example.
39. Why Tropical regions are rich in biodiversity?
40. State the principle of Stockholm declaration – 1972.
41. Expand (i) CFC (ii) AQI (iii) PAN
42. How can we control air pollution?
43. What is SMOG and how it is harmful for us?
44. What are main sources of air pollution?
45. List out Methods of disposal of radioactive wastes.
46. Write short notes on E-Waste? Give example

D. Answer the following questions:

6 X 5 =30

47. Difference between Insitu and Exsitu Conservation (or)
What is the significance of the slope of regression in a species-area relationship?
48. How can we contribute to promote biodiversity conservation? (or)
Point out any 5 functional attributions of biodiversity.
49. List out the various causes for biodiversity losses. (or)
Explain in detail about various types of extinctions.
50. What are the effects of noise pollution? (or)
List out the Sources of Water Pollution
51. How to prevent the water pollution? (or)
Tabulate the Major sources of solid waste
52. Describe difference Stages of Eutrophication? (or)
Detailed explanation about Wastewater Treatment