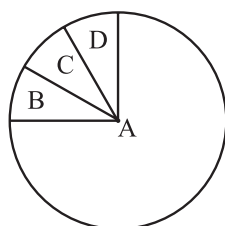


CHAPTER 7

Biodiversity and Conservation

Biodiversity & Patterns of Biodiversity

- Which of the following regions of the globe exhibits highest species diversity? (2020)
 - Madagascar
 - Himalayas
 - Amazon forests
 - Western ghats of India
- According to Robert May, the global species diversity is about: (2020)
 - 20million
 - 50million
 - 7million
 - 1.5million
- According to Alexander von Humboldt: (2020-Covid)
 - Species richness increases with increasing area, but only up to limit
 - There is no relationship between species richness and area explored
 - Species richness goes on increasing with increasing area of exploration
 - Species richness decreases with increasing area of exploration
- Alexander Von Humboldt described for the first time: (2017-Delhi)
 - Ecological Biodiversity
 - Laws of limiting factor
 - Species area relationships
 - Population Growth equation
- Given below is the representation of the extent of global diversity of invertebrates. What groups the four portions (A-D) represent respectively? (2014)



	A	B	C	D
a.	Insects	Molluscs	Crustaceans	Other animal groups
b.	Insects	Crustaceans	Other animal groups	Molluscs
c.	Crustaceans	Insects	Molluscs	Other animal groups
d.	Molluscs	Other animal groups	Crustaceans	Insects

- Which of the following represent maximum number of species among global biodiversity? (2013)
 - Mosses and Ferns
 - Algae
 - Lichens
 - Fungi

Importance & Loss of Biodiversity

- Habitat loss and fragmentation, over exploitation, alien species invasion and co-extinction are causes for: (2022)
 - Natality
 - Population explosion
 - Competition
 - Biodiversity loss
- Which of the following is the most important cause for animals and plants being driven to extinction? (2019)
 - Habitat loss and fragmentation
 - Drought and floods
 - Economic exploitation
 - Alien species invasion
- Red list contains data or information on: (2016 - II)
 - Threatened species
 - Marine vertebrates only
 - All economically important plants
 - Plants whose products are in international trade
- Which of the following is correctly matched? (2016 - II)
 - Parthenium hysterophorus* – Threat to biodiversity
 - Stratification – Population
 - Aerenchyma – *Opuntia*
 - Age pyramid – Biome

11. Which of the following is the most important cause of animals and plants being driven to extinction? (2016 - I)
 a. Over-exploitation
 b. Alien species invasion
 c. Habitat loss and fragmentation
 d. Co-extinctions
12. The organisation which publishes the Red List of species is: (2014)
 a. WWF
 b. ICFRE
 c. IUCN
 d. UNEP
13. A species facing extremely high risk of extinction in the immediate future is called: (2014)
 a. Extinct
 b. Vulnerable
 c. Endemic
 d. Critically Endangered
14. Which of the following is **not** a method of *ex situ* conservation? (2022)
 a. Cryopreservation
 b. *In vitro* fertilization
 c. National Parks
 d. Micropropagation
15. *In-situ* conservation refers to: (2022)
 a. Conserve only extinct species
 b. Protect and conserve the whole ecosystem
 c. Conserve only high risk species
 d. Conserve only endangered species
16. In the following in each set a conservation approach and an example of method of conservation are given
 A. *In situ* conservation-Biosphere Reserve
 B. *Ex situ* conservation-Sacred groves
 C. *In situ* conservation-Seed bank
 D. *Ex situ* conservation-Cryopreservation
 Select the option with correct match of approach and method: (2020-Covid)
 a. A and D
 b. B and D
 c. A and B
 d. A and C
17. Which one of the following is not a method of *in situ* conservation of biodiversity? (2019)
 a. Biosphere Reserve
 b. Wildlife Sanctuary
 c. Botanical Garden
 d. Sacred Grove
18. The Earth Summit held in Rio de Janeiro in 1992 was called (2019)
 a. To reduce CO₂ emissions and global warming
 b. For conservation of biodiversity and sustainable utilization of its benefits
 c. To assess threat posed to native species by invasive weed species
 d. For immediate steps to discontinue use of CFCs that were damaging the ozone layer
19. All of the following are included in '*ex-situ* conservation' except: (2018)
 a. Wildlife safari parks
 b. Sacred groves
 c. Botanical gardens
 d. Seed banks
20. Which one of the following is related to *ex-situ* conservation of threatened animals and plants? (2017-Delhi)
 a. Wildlife Safari parks
 b. Biodiversity hot spots
 c. Amazon rainforest
 d. Himalayan region
21. The region of Biosphere Reserve which is legally protected and where no human activity is allowed is known as: (2017-Delhi)
 a. Core zone
 b. Buffer zone
 c. Transition zone
 d. Restoration zone
22. How many hot spots of biodiversity in the world have been identified till date by Norman Myers? (2016 - II)
 a. 34
 b. 43
 c. 17
 d. 25
23. Cryopreservation of gametes of threatened species in viable and fertile condition can be referred to as: (2015)
 a. *In situ* conservation by sacred groves
 b. *In situ* cryo-conservation of biodiversity
 c. *In situ* conservation of biodiversity
 d. Advanced *ex-situ* conservation of biodiversity
24. In which of the following both pairs have correct combination? (2015)
 a. *In situ* conservation: Seed Bank
Ex situ conservation: National Park
 b. *In situ* conservation: Tissue culture
Ex situ conservation: Sacred groves
 c. *In situ* conservation: National Park
Ex situ conservation: Botanical Garden
 d. *In situ* conservation: Cryopreservation
Ex situ conservation: Wildlife Sanctuary
25. The species confined to a particular region and not found elsewhere is termed as: (2015 Re)
 a. Alien
 b. Endemic
 c. Rare
 d. Keystone
26. An example of *ex situ* conservation is: (2014)
 a. Sacred Grove
 b. National Park
 c. Seed Bank
 d. Wildlife Sanctuary
27. Which one of the following is not used for *ex-situ* plant conservation? (2013)
 a. Botanical Gardens
 b. Field gene banks
 c. Seed banks
 d. Shifting cultivation

Answer Key

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
c	c	a	c	a	d	d	a	a	a	c	c	d	c	b	a	c
18	19	20	21	22	23	24	25	26	27							
b	b	a	a	a	d	c	b	c	d							