

NEET BIODIVERSITY AND CONSERVATION — BIODIVERSITY CONSERVATION: IN SITU (HOTSPOTS, BIOSPHERE RESERVES, SACRED GROVES) — PYQS

Max. Marks: 96

Questions: 24

Section A (MCQ) — 24 questions

Q.1 Which of the following is an in situ conservation method ? [NEET (UG) 2026]

- (1) Seed Banks (2) Sacred Groves
(3) Botanical Gardens (4) Wildlife Safari Parks

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Q.2 The regions with high level of species richness, high degree of endemism and a loss of 70% of the species and habitat are identified as:

[RE-NEET (UG) 2024]

- (1) Natural Reserves
(2) Sacred Groves
(3) Biodiversity Hotspots
(4) Biogeographical Regions

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Q.3 Match **List-I** with **List-II**:

List - I		List - II	
A.	Biodiversity hotspot	I.	Khasi and Jaintia hills in Meghalaya
B.	Sacred groves	II.	World Summit on Sustainable Development 2002
C.	Johannesburg, South Africa	III.	<i>Parthenium</i>
D.	Alien species invasion	IV.	Western Ghats

Choose the correct answer from the options given below:

[RE-NEET (UG) 2024]

- (1) A-IV, B-I, C-II, D-III (2) A-II, B-III, C-IV, D-I
(3) A-I, B-IV, C-III, D-II (4) A-III, B-I, C-II, D-IV

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Q.4 In-situ conservation refers to : [NEET (UG) 2022]

- (1) Protect and conserve the whole ecosystem
(2) Conserve only high-risk species
(3) Conserve only endangered species
(4) Conserve only extinct species

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Q.5 Match the **List-I** with **List-II** :

List - I		List - II	
a.	Sacred groves	i.	Alien species
b.	Zoological park	ii.	Release of large quantity of oxygen
c.	Nile perch	iii.	Ex-situ conservation
d.	Amazon forest	iv.	Khasi Hills in Meghalaya

Choose the correct answer from the options given below :

[NEET (UG) 2022 (Phase 2)]

- (1) (a) – (iv), (b) – (iii), (c) – (ii), (d) – (i)
(2) (a) – (iv), (b) – (iii), (c) – (i), (d) – (ii)
(3) (a) – (ii), (b) – (iv), (c) – (i), (d) – (iii)
(4) (a) – (iv), (b) – (i), (c) – (ii), (d) – (iii)

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Q.6 Western Ghats have a large number of plants and animal species that are not found anywhere else. Which of the following term is used to notify such species?

[NEET (UG) 2022 (Phase 2)]

- (1) Vulnerable species (2) Threatened species
(3) Keystone species (4) Endemic species

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Q.7 Which one of the following is **not** a method of in situ conservation of biodiversity? [NEET (UG) 2019]

- (1) Botanical Garden (2) Sacred Grove
(3) Biosphere Reserve (4) Wildlife Sanctuary

Scan or tap for the full solution 

Q.8 The region of Biosphere Reserve which is legally protected and where no human activity is allowed is known as : [NEET 2017]

- (1) Transition zone (2) Restoration zone
(3) Buffer zone (4) Core zone

Scan or tap for the full solution



Q.9 How many hot spots of biodiversity in the world have been identified till date by Norman Myers ?

[NEET 2016 (Phase 2)]

- (1) 34 (2) 17 (3) 43 (4) 25

Scan or tap for the full solution



Q.10 Which of the following National Parks is home to the famous musk deer or hangul ?

[NEET 2016 (Phase 2)]

- (1) Eaglenest Wildlife Sanctuary, Arunachal Pradesh
(2) Dachigam National Park, Jammu & Kashmir
(3) Keibul Lamjao National Park, Manipur
(4) Bandhavgarh National Park, Madhya Pradesh

Scan or tap for the full solution



Q.11 The species confined to a particular region and not found elsewhere is termed as - [AIPMT 2015]

- (1) Alien (2) Rare
(3) Endemic (4) Keystone

Scan or tap for the full solution



Q.12 In which of the following both pairs have correct combination ? [AIPMT 2015 (Cancelled)]

- (1) In situ conservation : Cryopreservation
Ex situ conservation : Wildlife Sanctuary
(2) In situ conservation : Tissue culture
Ex situ conservation : Sacred groves
(3) In situ conservation : National Park
Ex situ conservation : Botanical Garden
(4) In situ conservation : Seed Bank
Ex situ conservation : National Park

Scan or tap for the full solution



Q.13 The largest tiger reserve in India is :-

[NEET 2013 (Karnataka)]

- (1) Nagarjunsagar - Srisailem
(2) Nagarhole
(3) Valmiki
(4) Periyar

Scan or tap for the full solution



Q.14 Select the correct statement about biodiversity :

[AIPMT 2012 (Mains)]

- (1) Western Ghats have a very high degree of species richness and endemism
(2) The desert areas of Rajasthan and Gujarat have a very high level of desert animal species as well as numerous rare animals
(3) Large scale planting of Bt cotton has no adverse effect on biodiversity
(4) Conservation of biodiversity is just a fad pursued by the developed countries

Scan or tap for the full solution



Q.15 Sacred groves are specially useful in

[AIPMT 2012 (Mains)]

- (1) year-round flow of water in rivers
(2) conserving rare and threatened species
(3) preventing soil erosion
(4) generating environmental awareness

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Q.16 Which one of the following areas in India is a hotspot of biodiversity? [AIPMT 2012 (Prelims)]

- (1) Western Ghats (2) Gangetic plain
(3) Sunderbans (4) Eastern Ghats

Scan or tap for the full solution



Q.17 The Indian Rhinoceros is a natural inhabitant of which one of the Indian states?

[AIPMT 2010 (Mains)]

- (1) Uttarakhand (2) Assam
(3) Uttar Pradesh (4) Himachal Pradesh

Scan or tap for the full solution



Q.18 Tiger is not a resident in which one of the following National Parks? [AIPMT 2009]

- (1) Ranthambhor (2) Sunderbans
(3) Jim Corbett (4) Gir

Scan or tap for the full solution



Q.19 Which one of the following is not observed in biodiversity hotspots? [AIPMT 2008]

- (1) Endemism
(2) Lesser inter-specific competition
(3) Accelerated species loss
(4) Species richness

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Q.20 Identify the odd combination of the habitat and the particular animal concerned : [AIPMT 2007]

- (1) Sunderbans – Bengal Tiger
- (2) Periyar – Elephant
- (3) Rann of Kutch – Wild Ass
- (4) Dachigam National Park – Snow Leopard

Scan or tap for the
full solution



Q.21 Which of the following is considered a hot-spot of biodiversity in India ? [AIPMT 2006]

- (1) Eastern Ghats (2) Western Ghats
- (3) Aravalli Hills (4) Indo-Gangetic Plain

Scan or tap for the
full solution



Q.22 Which one of the following is the correctly matched pair of an endangered animal and a National Park ?

[AIPMT 2006]

- (1) Wild Ass – Dudhwa National Park
- (2) Lion – Corbett National Park
- (3) Great Indian Bustard – Keoladeo National Park
- (4) Rhinoceros – Kaziranga National Park

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full solution



Q.23 In your opinion, which is the most effective way to conserve the plant diversity of an area ?

[AIPMT 2004]

- (1) By creating botanical garden
- (2) By creating biosphere reserve
- (3) By tissue culture method
- (4) By developing seed bank

Scan or tap for the
full solution



Q.24 Indri-indri lemur is found in: [AIPMT 2000]

- (1) Sri Lanka (2) Mauritius
- (3) Madagascar (4) India

Scan or tap for the
full solution



ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11
Ans.	2	3	1	1	2	4	1	4	1	2	3
Ques.	12	13	14	15	16	17	18	19	20	21	22
Ans.	3	1	1	2	1	2	4	2	4	2	4
Ques.	23	24									
Ans.	2	3									