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NEET BIODIVERSITY AND CONSERVATION — LOSS OF BIODIVERSITY: CAUSES (THE EVIL QUARTET) — PYQS

Max. Marks: 88 **Questions:** 22

Section A (MCQ) — 22 questions

Q.1 Since the origin and diversification of life on Earth, there have been five episodes of mass extinction of species. How is the sixth extinction, which is in progress, different from the previous episodes ? [NEET (UG) 2026]

(1) The current species extinction rates are far lower than those in previous episodes.
(2) The present species extinction rates are 100 to 1000 times faster than in the pre-human times.
(3) The present net species extinction rate is zero.
(4) The current species extinction rate is nearly 10 times faster than in previous episodes.

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Q.2 "The Evil Quartet" of biodiversity loss includes which of the following ? [NEET (UG) 2026]

(1) Over-exploitation; Alien species invasions; Soil pollution; Co-extinctions
(2) Habitat loss and fragmentation; Air pollution; Water pollution; Co-extinctions
(3) Habitat loss and fragmentation; over-exploitation; Alien species invasions; Co-extinctions
(4) Over-exploitation; Alien species invasions; Air pollution; Co-extinctions

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Q.3 Which of the following statements are correct ?

A. The Amazon rainforest being cut and cleared for cultivation of soyabeans is an example of habitat loss.
B. Steller's sea cow and passenger pigeon became extinct due to over-exploitation by humans.
C. The Nile perch introduced into Lake Victoria in East Africa helped in population growth of cichlid fish in the lake.
D. Water hyacinth is an invasive species.
E. When a species becomes extinct, the plant and animal species associated with it are not affected.

Choose the correct answer from the options given below : [NEET (UG) 2026]

(1) A, B and D only (2) B, C and D only
(3) A, B and E only (4) C, D and E only

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Q.4 Match **List-I** with **List-II**

List - I		List - II	
A.	The Evil Quartet	I.	Cryopreservation
B.	Ex situ conservation	II.	Alien species invasion
C.	*Lantana camara*	III.	Causes of biodiversity losses
D.	Dodo	IV.	Extinction

Choose the option with all correct matches. [NEET (UG) 2025]

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

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Q.5 These are regarded as major causes of biodiversity loss:

A. Over exploitation
B. Co-extinction
C. Mutation
D. Habitat loss and fragmentation
E. Migration

Choose the correct option: [NEET (UG) 2024]

(1) A, C and D only (2) A, B, C and D only
(3) A, B and E only (4) A, B and D only

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Q.6 List of endangered species was released by [NEET (UG) 2024]

(1) GEAC (2) WWF (3) FOAM (4) IUCN

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Q.7 Among 'The Evil Quartet', which one is considered the most important cause driving extinction of species? [NEET (UG) 2023]

(1) Over exploitation for economic gain
(2) Alien species invasions
(3) Co-extinctions
(4) Habitat loss and fragmentation

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Q.8 Habitat loss and fragmentation, over-exploitation, alien species invasion and co-extinction are causes for : [NEET (UG) 2022]
(1) Population explosion
(2) Competition
(3) Biodiversity loss
(4) Natality

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Q.9 Which of the following is the most important cause for animals and plants being driven to extinction? [NEET (UG) 2019]
(1) Economic exploitation
(2) Alien species invasion
(3) Habitat loss and fragmentation
(4) Drought and floods

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Q.10 Which of the following is the most important cause of animals and plants being driven to extinction ? [NEET 2016 (Phase 1)]
(1) Co-extinctions
(2) Over-exploitation
(3) Alien species invasion
(4) Habitat loss and fragmentation

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Q.11 Which of the following is correctly matched ? [NEET 2016 (Phase 2)]
(1) Stratification-Population
(2) *Parthenium hysterophorus*-Threat to biodiversity
(3) Aerenchyma-*Opuntia*
(4) Age pyramid-Biome

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Q.12 Red List contains data or information on [NEET 2016 (Phase 2)]
(1) threatened species
(2) marine vertebrates only
(3) all economically important plants
(4) plants whose products are in international trade

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Q.13 A species facing extremely high risk of extinction in the immediate future is called : [AIPMT 2014]
(1) Vulnerable (2) Critically Endangered
(3) Endemic (4) Extinct

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Q.14 The organization which publishes the Red List of species is : [AIPMT 2014]
(1) ICFRE (2) IUCN (3) UNEP (4) WWF

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Q.15 Which organization publishes the 'Red Data Book' ? [NEET 2013 (Karnataka)]
(1) WWF (2) GEF (3) IUCN (4) UNEP

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Q.16 Which one of the following pairs of organisms are exotic species introduced in India ? [AIPMT 2007]
(1) *Ficus religiosa*, *Lantana camara*
(2) Nile perch, *Ficus religiosa*
(3) Water hyacinth, *Prosopis cineraria*
(4) *Lantana camara*, Water hyacinth

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Q.17 One of endangered species of Indian medicinal plants is that of:- [AIPMT 2007]
(1) *Podophyllum* (2) *Nepenthes*
(3) Garlic (4) *Ocimum*

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Q.18 Which of the following pairs of an animal and a plant represents endangered organisms in India ? [AIPMT 2006]
(1) Cinchona and Leopard
(2) Tamarind and Rhesus monkey
(3) Banyan and Black buck
(4) *Bentinckia nicobarica* and Red Panda

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Q.19 According to IUCN Red List, what is the status of Red Panda (*Ailurus fulgens*) ? [AIPMT 2005]
(1) Extinct species
(2) Vulnerable species
(3) Endangered species
(4) Critically endangered species

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Q.20 Which group of vertebrates comprises the highest number of endangered species ? [AIPMT 2003]

(1) Fishes (2) Mammals

(3) Birds (4) Reptiles

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Q.21 Which endangered animal is the source of the world's finest, lightest, warmest and most expensive wool - the shahtoosh ? [AIPMT 2003]

(1) Kashmiri goat (2) Chiru

(3) Nilgai (4) Cheetal

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Q.22 Wildlife is continuously decreasing. What is the main reason of this ? [AIPMT 2002]

(1) Cutting down of forest

(2) Predation

(3) Hunting

(4) Destruction of habitat

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ANSWER KEY

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