



An Institute for Civil Services

IAS TOPPER'S TEST COPY

PATIL VINAY SUNIL

AIR 122

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ENVIRONMENT



8448496262



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ENVIRONMENT

(Biodiversity and International Conventions)

Max. Marks: 20

Instructions to Candidate

- There are 2 questions.
- Every page of the written answer should carry Name, Roll No. and Batch Information, in the same order.
- Content of the answer is more important than its length.
- Answers must be written in the space provided.

Any page or portion of the page left blank in the Question-cum-Answer Booklet must be clearly struck off.

Total - 08

1. Evaluator Signature _____

Name Vinay patilRoll No. [REDACTED]Mobile No. [REDACTED]Date [REDACTED]Signature [REDACTED]

1. Despite efforts like the Bonn Convention and CITES for their conservation, migratory birds are facing severe threats from human and climate related changes. Discuss. Highlight the initiatives taken by civil society and NGOs to save migratory birds. (150 Words) (10 Marks)

good Bonn Convention and CITES provide global platform for conservation of migratory birds, animals and their habitat. Migratory birds emigrate periodically, seasonally from one geographical area to another.

Threats to migratory birds → loss of wetlands

- Loss of habitat due to pollution or encroachment for set agriculture, urbanisation, industries etc. Explain his points elaborately
- Poaching of birds for illegal trade or other uses.
- good points as demand of High voltage electricity lines, radiations, wind turbines impact on birds in their navigational ability etc.
- Natural disasters also causes threats to birds. quotation

Initiatives taken by CIVIL society and NGOs →

- Convention on conservation of migratory species of Wild Animals (CMS) - to conserve migratory species throughout their range. good
- Convention on International Trade in Endangered species of Fauna and Flora (CITES) - it aims to regulate international trade in endangered species.

Remarks

Central Asian Flyway - It goes from India for nine migratory bird species

- NGOs work with government to conserve, save migratory birds by spreading awareness in people about birds and also conserve their habitat new habitats. good

Recently Antarctic bird found in gulf of munnar as well as many bird species migrate from continents to continents due to natural factors or climate change or human disturbances. Conservation, awareness and sustainable development are major measures to save migratory birds. 4

Remarks

2. "Marine and coastal biodiversity is an important component of maintaining ocean and coastal ecosystem function, yet they are subject to multiple stressors that can impact their sustainability". Discuss. Suggest remedial measures for protecting and conserving coastal and marine biodiversity. (150 Words) (10 Marks)

Marine or coastal ecosystem occurs where land meets the ocean. Marine coastal ecosystem include different types of habitats such as estuaries and lagoons mangroves and majorly coral reefs. good

Marine and coastal ecosystem provides various services to human and environment.

- provisioning services such as food, tourism water etc.

Causes of biodiversity degradation →

- 1) Marine and coastal ecosystems affected due to human activities, land use and developmental activities.
 - 2) Pollution due to use of thin plastic is major cause for degradation.
 - 3) Sewage and polluting substances throwing in rivers and coastal areas.
 - 4) Oil spills, toxic chemicals from industries causes water pollution.
- good

Measures to protect marine biodiversity →

- Minimize the use of plastic products

Elaborate this point

Remarks

- Spreading Awareness and supporting organisations to protect oceans

- Treating industrial waste before throwing it in sea or near marine ecosystems.

lessen the Coastal tourism impact in marine ecosystem

- Creating buffer zone between human activities and marine ~~to~~ between sea and rivers.

Efforts should be put into waste reduction and management to permit safe and healthy marine ecosystem. Awareness about sustainable tourism and plastic use and other polluting activities needed.

Remarks