

FRC – Environment Schedule | February 3 – February 8

Date/Day	Lecture #	Topics
3-Feb-2024 Saturday	Test 1 7AM - 8AM	Environment - UPSC Previous Year Questions (PYQs)
3-Feb-2024 Saturday	Lecture #1 8:45 AM – 1:00 PM 2:15 PM – 4:30 PM	<ul style="list-style-type: none"> • Ecology – Concept; Levels; Principles of Ecology - Monistic concept; Principle of Uniformitarianism; Principle of mutual reaction; Principle of natural selection; Principle of mutation; Reproductive Isolation; Components of Ecosystem – Abiotic; Biotic; Ecotone - Edge effect; Edge species; Niche; Biosphere; Principle of Homeostasis • ECOSYSTEM – Energy Flow - Trophic Levels; Food chain; Food Web; Ecological Pyramids; Pollutants and trophic level; Biotic Interactions – Mutualism, Commensalism, Amensalism, Competition, Predator, Parasitism, Neutralism, Brood Parasitism • Biogeochemical cycles – Concept; Types; Ecosystem Productivity – Concept; Factors; Primary productivity; Secondary productivity; Odum 3 levels of productivity • Ecological Succession – Concept; Factors; Phases of biotic succession (Nudation; Migration; Ecesis; Reaction; Stabilization); Types of succession; Ecosystem Functions –Provisioning; Regulating; Supporting services; Cultural services • AQUATIC ECOSYSTEM – organisms (Neuston, Periphyton, Plankton, Nekton, Benthos) Factors affecting aquatic ecosystem; Lake Ecology; Eutrophication; Sources of Pollution; Algal Blooms; BOD, COD; Coral Reefs - Subsidence theory; Threats; Coral bleaching;
4-Feb-2024 Sunday	Test 2 7AM - 8AM	Syllabus: Topics of Lecture #1
4-Feb-2024 Sunday	Lecture #2 8:45 AM – 1:00 PM 2:30 PM – 5:30 PM	<p>Aquatic ecosystem – Wetlands, Mangroves, Terrestrial ecosystem - Forest Ecosystem; Grassland Ecosystem; Desert Ecosystem.</p> <p>Biodiversity; Biodiversity hotspots; Biodiversity legislations; Convention on Biological Diversity Ramsar convention; Cites</p> <p>Convention on the conservation of migratory species Coalition against wildlife trafficking</p> <p>International Tropical Timber Organization; Global Tiger Forum; Indian state of forest report 2023; Global tiger initiative; Stockholm convention; Basel convention; Rotterdam convention; International Whaling convention</p>

		Globally Important Agricultural Heritage Systems (GIAHS)
5-Feb-2024 Monday	Test 3 7AM – 8AM	Syllabus: Topics of Lecture #2
5-Feb-2024 Monday	Lecture #3 8:45 AM – 1:00 PM 2:30 PM – 5:30 PM	Wetland; Mangroves Biodiversity - Levels; Measurements; Services; Threats; Conservation; Biodiversity hotspots; Biodiversity Landscape of India Protected area under Wildlife Protection Act 1972; Biosphere reserves; Project Tiger; Project Elephant; Vulture Conservation; Sea Turtle Project, 1999; Project Hangul; Project Dolphin; Project Cheetah; Rhino Conservation; Snow Leopard Conservation; Operation Save Kurma; Crocodile conservation; Wildlife Protection Act 1972, its Amendment of 2022; Environment Protection Act 1986; Biological Diversity Act, 2002 and its Amendment 2023 Convention on Biological Diversity (CBD); Cartagena Protocol 8.6. Nagoya Protocol; Aichi biodiversity targets ; Stockholm Convention on POPs; Basel Convention; CITES, 1973; CMS
6-Feb-2024 Tuesday	Test 4 7AM - 8AM	Syllabus: Topics of Lecture #3
6-Feb-2024 Tuesday	Lecture #4 8:45 AM – 1:00 PM 2:30 PM – 5:30 PM	Terrestrial biome; Indian forest; Forest legislations UNCCD EIA Pollution Ocean acidification; Sea level rise
7-Feb-2024 Wednesday	Lecture #5 8:45 AM – 11:00 AM	-Remaining topics-
8-Feb-2024 Thursday	FLT 4:00 PM – 6:00 PM	Environment - Full Length Test
8-Feb-2024 Thursday	FLT Discussion 6:15 PM – 7:15 PM	Environment- Full Length Test Discussion