

Environment for General Studies UPSC Civil Services Exam

Websites: <https://www.pmfias.com> and <https://store.pmfias.com>

Facebook Page: <https://www.facebook.com/PoorMansFriend2485>

YouTube: <https://www.youtube.com/c/poormansfriend>

Newsletter: <https://www.pmfias.com/newsletters>

Environment Print Friendly PDF

1. Environment and Ecology	6
1.1 Environment.....	6
Biosphere.....	6
Habitat.....	6
Ecosystem.....	7
Components of an Ecosystem	8
1.2 Ecology – Principles and Organizations.....	10
Levels of Organizations in Ecology	10
Principles of Ecology.....	11
1.3 Ecotone	14
2. Functions of Ecosystem.....	16
2.1 Ecological Succession	16
Stages	16
2.2 Homeostasis in Ecosystem	18
Homeostasis	18
2.3 Energy Flow Through an Ecosystem – Trophic Levels.....	20
Food Chain.....	20
Food Web	22
Ecological Pyramids	23
Pollutants and Trophic Level – Biomagnification	26
2.4 Biogeo Chemical Cycling or Nutrient Cycling	27
Types of Nutrient Cycles.....	28
Carbon Cycle (Gaseous Cycle)	28
Nitrogen Cycle (Gaseous Cycle).....	29
3. Natural Ecosystem.....	34
3.1 Biomes or Terrestrial Ecosystems	34
Tundra Biome	35
Taiga or Boreal Biome	35
Temperate Deciduous Biome (North-Western Europe – British Type Climate)	35
Temperate Rainforest Biome	36
Sub-Tropical Deciduous Biome in Eastern China, South Eastern USA.....	36
Steppe or Temperate Grassland Biome.....	36
Temperate Deciduous Biome (Mediterranean Climate)	36
Tropical Deciduous Biome (Monsoon Climate)	36
Savanna or Tropical Wet and Dry Biome.....	36
Tropical Rain Forest Biome.....	36
Desert Biome	37