

Name of College :- P.I.G.G.C.W Jind
 Name of teacher :- Satish Kumar
 Month :- August to December
 Class :- B.A. 1st, BCA 1st, Bcom 1st

Subject :- Environmental Studies

Month	Topic
August - September	<u>Unit I</u> :- Definition, Scope & importance of Environmental Studies The multidisciplinary nature of Environmental studies Subject: Concept of Sustainability & Sustainable development. Definition, Structure & function of Ecosystem. Energy flow in Ecosystem.
September - October	Food Chains and food webs. Major Ecosystem: forest ecosystem, Grassland, Desert ecosystem and aquatic like lakes, rivers & oceans. <u>Unit II</u> :- Natural resources :- Renewable & non-renewable, land resources, land degradation & soil erosion. Forest resources :- Importance of forest, deforestation: Causes & impact on environment. Water resources :- Use of and over exploitation of surface and groundwater, Renewable and non Renewable resource.

October - November

Biodiversity and its Conservation :

Definition and its types

Endangered & endemic species of India, Threats to biodiversity, Habitat loss, Poaching of wildlife, wildlife Conflicts, biological invasion.

Conservation of Biodiversity :- In-Situ and Ex-Situ Conservation of diversity, Ecosystem & biodiversity sources, Ecological, Economic, Social, ethical, aesthetic and informational Values.

November - 12 Dec.

Unit III :- Environmental Pollution : Types, Causes, affects & Control of Air, water, Soil and Noise pollution. Solid waste management. Sources, methods of disposal landfill. Climate Change, global warming, Ozone layer depletion, acid rain & Impacts of human communities and aquatic agriculture. Environmental policies & practices : Environmental laws protection Act 1986, Air and Centre protection Act 1986, water Act 1974.

Unit IV :- Human Communities & Environment. Human population growth. Impacts on Nature. Resettlement & Rehabilitation. Disaster management : floods, earthquake, cyclones, landslides. Environmental Ethics.