

**Assignment questions**  
**Management topics in Environmental studies (CHM2049)**  
**7<sup>th</sup> Semester**

<b>1</b>	Write the scope and importance of Environmental Studies.
<b>2</b>	Discuss the vertical structure of the atmosphere and the significance of each layer with a suitable diagram.
<b>3</b>	Define food chain. Discuss the different types of food chains existing in nature with suitable examples.
<b>4</b>	Discuss energy flow in an ecosystem with a schematic diagram. Explain the 10 % rules of the energy flow model and establish the relationship between GPP and NPP.
<b>5</b>	Define the bio-geochemical cycle and discuss the carbon cycle with a suitable schematic diagram.
<b>6</b>	What is ecological succession? Differentiate between primary and secondary ecological succession with a suitable diagram.
<b>7</b>	What is biodiversity? Discuss the different values of biodiversity.
<b>8</b>	Write the point of difference between endangered and endemic species, and briefly discuss about the biodiversity hotspot of India with examples.
<b>9</b>	Discuss the various threats to biodiversity and write about the adverse effects of biodiversity loss on humans and the environment.
<b>10</b>	Define In-situ and Ex-Situ conservation of Biodiversity and give examples from each category.