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| **SESSION** | **JUNE/JULY 2023** |
| **PROGRAM** | **BACHELOR of business administration (BBA)** |
| **SEMESTER** | **IV** |
| **course CODE & NAME** | **DBB2204 – ENVIRONMENTAL SCIENCE** |
| **CREDITS** | **4** |
| **nUMBER OF ASSIGNMENTS & Marks** | **02**  **30 Marks each** |

**Assignment Set – 1**

**1. What is the role of water cycle in our ecosystem? Explain how it affects ecology and society?**

**Ans 1.**

The water cycle, also known as the hydrological cycle, plays a fundamental and intricate role in our ecosystem, exerting profound effects on both ecology and society. It is a continuous and dynamic process through which water circulates between the Earth's surface, the atmosphere, and various aquatic and terrestrial environments. This intricate cycle consists of several key stages, including evaporation, condensation, precipitation, and runoff, all of which have far-reaching impacts on the environment and human society.

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**2. What is sustainable development? Explain the three principles of Sustainability with two examples.**

**Ans 2.**

**Sustainable development**

You must have often watched around you the construction of certain heavy infrastructure such as dams, installation of windmills, construction of water tanks at height, the establishment of artificial lakes, installation of solar panels, etc. These infrastructures are built to preserve natural resources and use them for various personal or commercial purposes such as producing electricity and energy, providing irrigation facilities, and many more.

Thus, we can say that infrastructure is developed to assist the sustenance of natural resources.

**3. Describe the Spheres of Earth and their properties.**

**Ans 3.**

**Spheres of Earth**

Earth system is a combination of four sub-systems, i.e., land, air, water, and living things. These sub-systems have now fallen under four major categories, and scientists have given them new names lithosphere, atmosphere, hydrosphere, and biosphere. Let's now understand the components of the earth system in detail.

As humans, we are interacting with our Earth's sphere daily and it is our duty to utilize them to the fullest without any wastage of resources. Hydrosphere helps in providing water to the

**Assignment Set – 2**

**1. Define air pollution and effects of air pollution with examples.**

**Ans 1.**

**Air pollution**

Air pollution refers to the presence of harmful or excessive substances in the Earth's atmosphere that can have detrimental effects on human health, the environment, and the overall quality of life. These pollutants can be natural or human-made and are typically present in the form of gases, particulate matter, or aerosols. Air pollution can occur both indoors and outdoors.

**2. State the consequences of soil pollution on future generations and suggest control measures.**

**Ans 2.**

Soil pollution, a significant environmental issue caused by the introduction of harmful substances into the soil, has far-reaching consequences that can profoundly impact future generations. This essay will delve into these consequences and propose control measures to mitigate the adverse effects.

**Consequences of Soil Pollution on Future Generations:**

**Health Impacts**: Soil pollution can lead to serious health problems for future generations.

**3. Define solid waste. List the types of solid waste. Come up with a plan for management of solid wastes.**

**Ans 3.**

Solid waste refers to any discarded or abandoned material that is not in a liquid or gaseous form. It includes a wide range of materials generated by human activities, such as residential, commercial, industrial, and agricultural processes. Proper management of solid waste is crucial to protect the environment and public health. In this essay, we will define solid waste, list the types of solid waste, and outline a plan for the management of solid waste.

**Types of Solid Waste:**

**Municipal Solid Waste (MSW):** This is the waste generated from households, schools,