

**Paper name: Environment and Development**

**Paper code: 601**

### **Topic: Sustainable Management**

**Sustainable management** takes the concepts from sustainability and synthesizes them with the concepts of management. Sustainability has three branches: the environment, the needs of present and future generations, and the economy. Using these branches, it creates the ability of a system to thrive by maintaining economic viability and also nourishing the needs of the present and future generations by limiting resource depletion. From this definition, sustainable management has been created to be defined as the application of sustainable practices in the categories of agriculture, society, environment, and personal life by managing them in a way that will benefit current generations and future generations.

It aims to ensure that ecosystem services are protected and maintained for future human generations, and also maintain ecosystem integrity through considering ethical, economic, and scientific (ecological) variables. It is thus linked to environmental protection, sustainability, integrated landscape management, natural resource management, fisheries management, forest management, and wildlife management, and others.

Sustainable management is needed because it is an important part of the ability to successfully maintain the quality of life on our planet. Sustainable management can be applied to all aspects of our lives. For example, communities are in a need of sustainable management, because if the community is to prosper, then the management must be sustainable. Forest and natural resources need to have sustainable management if they are to be able to be continually used by our generation and future generations. Our personal lives also need to be managed sustainably. This can be done by making decisions that will help sustain our immediate surroundings and environment, or it can be by managing our emotional and physical well-being. Sustainable management can be applied to many things, as it can be applied as a literal and an abstract concept. Meaning, depending on what they are applied to the meaning of what it is can change.

### **3Rs of sustainable management**

The 3 Rs to save the environment can be performed by each individual in our society:

- **Reduce:** Reducing our usage and wasteful habits. For example, not wasting food, turning off the switches to save electricity, repairing leaky taps, reducing the amount of water used for bathing, etc.
- **Reuse:** Using things again instead of discarding them. For example, reusing plastic utensils and bottles. Many things cannot be recycled or require a lot of energy, instead, we can utilize them for other purposes.
- **Recycle:** Collecting discarded paper, plastic, glass or metal objects to manufacture different products rather than synthesizing them from scratch. Must have a mechanism to segregate and dispose of each type of waste separately.

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