

Exam Roll No - 18312911011

Name of Program - B.tech (IT & MI)

Semester / Year - VII Semester / IV year

Unique Paper Code - 911714

Title of Paper - Environment Management

Date & Time of Exam - 07/12/2021 @ 9:30 AM

Q-4 Discuss the - - - to mankind.

A-4 Provisioning Ecosystem services are the products a man obtains from the ecosystem. These products includes -

- 1) Food & fiber - Includes vast range of food products derived from plants, animals and microbes as well as materials such as wood, jute, hemp, silk and many other products derived from ecosystems.
- 2) Fuel - Wood, dung and other biological materials serve as sources of energy
- 3) Genetic Resources - Includes the genes and genetic information used for animal and plant breeding and biotechnology
- 4) Biochemicals, natural medicines, and pharmaceuticals - Many medicines, biocides, food additives such as alginates, and biological materials are derived from ecosystems.
- 5) Ornamental Resources - Animal products such as skins and shells and flowers are used as ornaments, although the value of these resources is often culturally determined.

6) Fresh Water - Linkage between provisioning and regulating services

Cultural Ecosystem Services are the non-material benefits people obtain from ecosystems through spiritual enrichment, cognitive development, reflection, recreation, and aesthetic experiences, including -

- 1) Cultural Diversity - Diversity of ecosystems influences diversity of cultures.
- 2) Spiritual & religious Values - Many religions attach spiritual and religious values to ecosystems or their components.
- 3) Knowledge Systems - Ecosystems influence the types of knowledge systems developed by different cultures.
- 4) Educational Values - Ecosystems and their components and processes provide the basis for both formal and informal education in many societies.
- 5) Inspiration - Ecosystems provide a rich source of inspiration for art, folk-lore, national symbols, architecture, and advertising.

6) Aesthetic Values - Many people find beauty or aesthetic value in various aspects of ecosystems.

7) Social Relations - Ecosystems influence the types of social relations that are established in particular cultures

8) Recreation & Ecotourism - People spend their leisure time based on the characteristics of the natural or cultivated landscapes in a particular area.