



SNS COLLEGE OF TECHNOLOGY

Vazhiampalayam, Coimbatore-35

(An Autonomous institution)

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DEPARTMENT OF CHEMISTRY

**COURSE NAME : 23CHT103- ENVIRONMENTAL SCIENCE AND
SUSTAINABILITY**

I YEAR / I SEMESTER

UNIT : 1.ENVIRONMENT AND BIODIVERSITY

TOPIC : 3. VALUES OF BIODIVERSITY



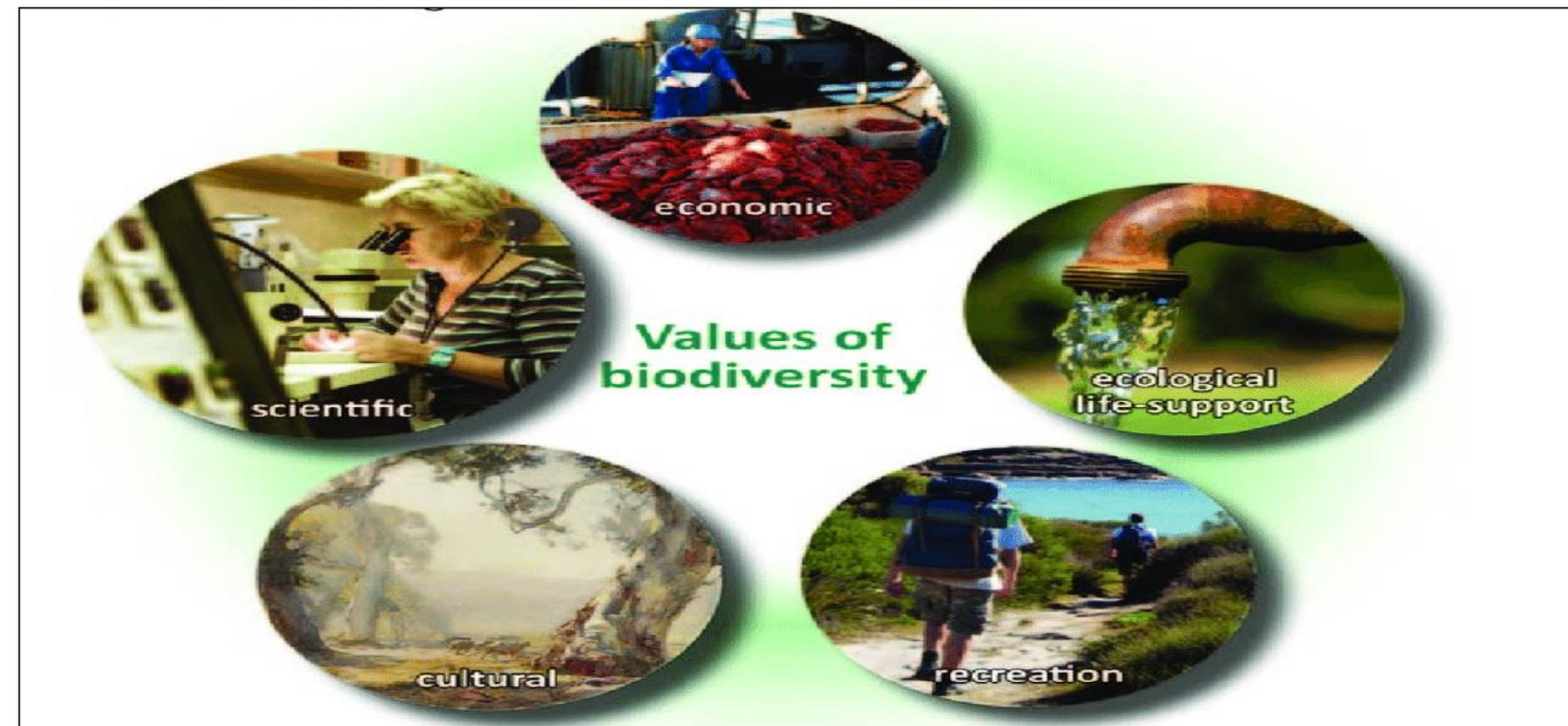
BRAINSTORMING WITH RECAP



VALUES OF BIODIVERSITY

- COMSUMPTIVE USE VALUES
- PRODUCTIVE USE VALUES

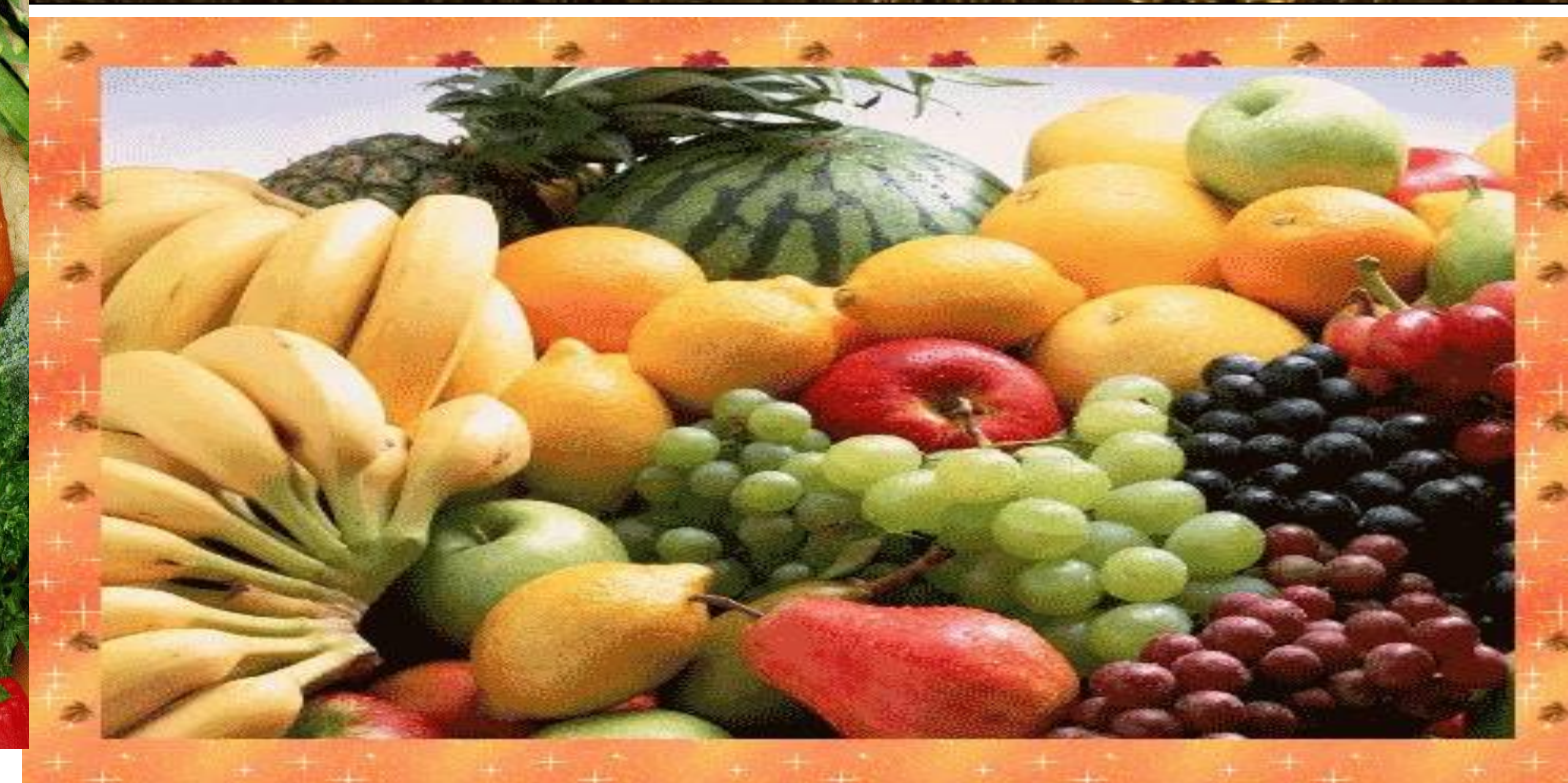
- **Consumptive use value**
- **Productive use value**
- **Social values**
- **Ethical and moral values**
- **Aesthetic value**
- **Option value**
- **Ecosystem Service Value (intangible)**





1. COMSUMPTIVE USE VALUES

- Direct use values
- Biodiversity products are harvested & consumed directly
- **Example: Food, Drugs, Fuels**





2. PRODUCTIVE USE VALUES

- Commercial value(indirect values)
- Products are marketed and sold
- These are derived from animals & plants

Ex: Silk from silk worm, wool from sheep etc





2.1. SOCIAL VALUES

- These values associated with social life, religion & spiritual aspects of the people
- **Example:** holy plants , holy animals etc





2.2. ETHICAL VALUE/ EXISTENCE

“ ALL LIFE MUST BE PRESERVED”

Having great value on religious and cultural basis & values are attached to each species **Example: Ganga, holy plants, Kangaroo, Zebra, Giraffe**





2.3. AESTHETIC VALUE BIODIVERSITY

- Beautiful nature of plants & animals insists us to protect biodiversity
- **Example:** ecotourism, pleasant music of birds, colourful butterflies, flowers etc







2.4. OPTION VALUES

- The potential of Bd is presently unknown and need to be known & may be proved to be valuable after someday





ASSESSMENT



1. Draw the flow chart for values of biodiversity



SUMMARY



REFERENCES



1. Dr. A.Ravikrishnan, Environmental science & Engineering” Srikrishna hitech Pub. Co. Ltd,2013.
2. G.Tayer Miller :Environmental Science”, Cenage Learning India Pvt Ltd, 2011.
3. Benny joseph, “Environmental science & engineering” Tata McGraw-Hill.Pub.Co.Ltd. New Delhi.2009.