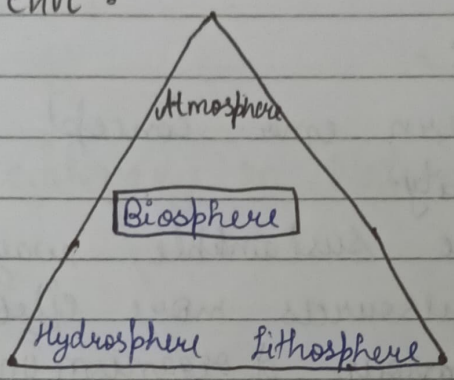
Unit - 1

PAGE NO. :
DATE : / /

Envt. & its Multidisciplinary Nature

- Everything that surrounds and affects living organisms is Environment.
- The sum total of water, air and land & the interrelationship that exists among them & with human beings, other living organisms & materials.

Components of Envt :



Biosphere = The part of the earth containing living organisms.
- It extends to about 22.5 km in thickness from ocean bottom to mountain top
- But all the parts of biosphere is not suitable for life because * low temp., * less conc^n of oxygen, * too high cosmic radiations.

Subdivision of Biosphere :

(i) Hydrosphere = It covers 3/4 part of earth surface
It includes all liquid components - sea, oceans, lake etc.

(ii) Lithosphere = It compromises all solid particles or rocky substances.
It consists 3 main layers : Crust, mental, core.

(iii) Atmosphere =

Name of layer	distance	Example
1) Exosphere	700 - 10,000 km	Stallites
2) Thermosphere	80 - 700 km	Space crafts
3) Mesosphere	50 - 80 km	Meteoses
4) Stratosphere	12 - 50 km	Radio sounds
5) Troposphere	0 - 12 km	Clouds

Importance of EVS =

- To clarify modern envr. concept like how to conserve biodiversity.
- To know the more sustainable way of living.
- To use natural resources more effectively.
- To know the behaviour of organism under natural conditions
- To know the interrelationship blw organisms in population and communities
- To aware and hesitate people regarding envt issues and problems at local and international levels.

Scope of EVS:

Due to its complex & multi displinary nature, EVS as a subject has a wide scope.

- Natural resources & their conservation, management
- Ecology and biodiversity
- Envir" pollution & control
- Social issue and its relation to development and envt.

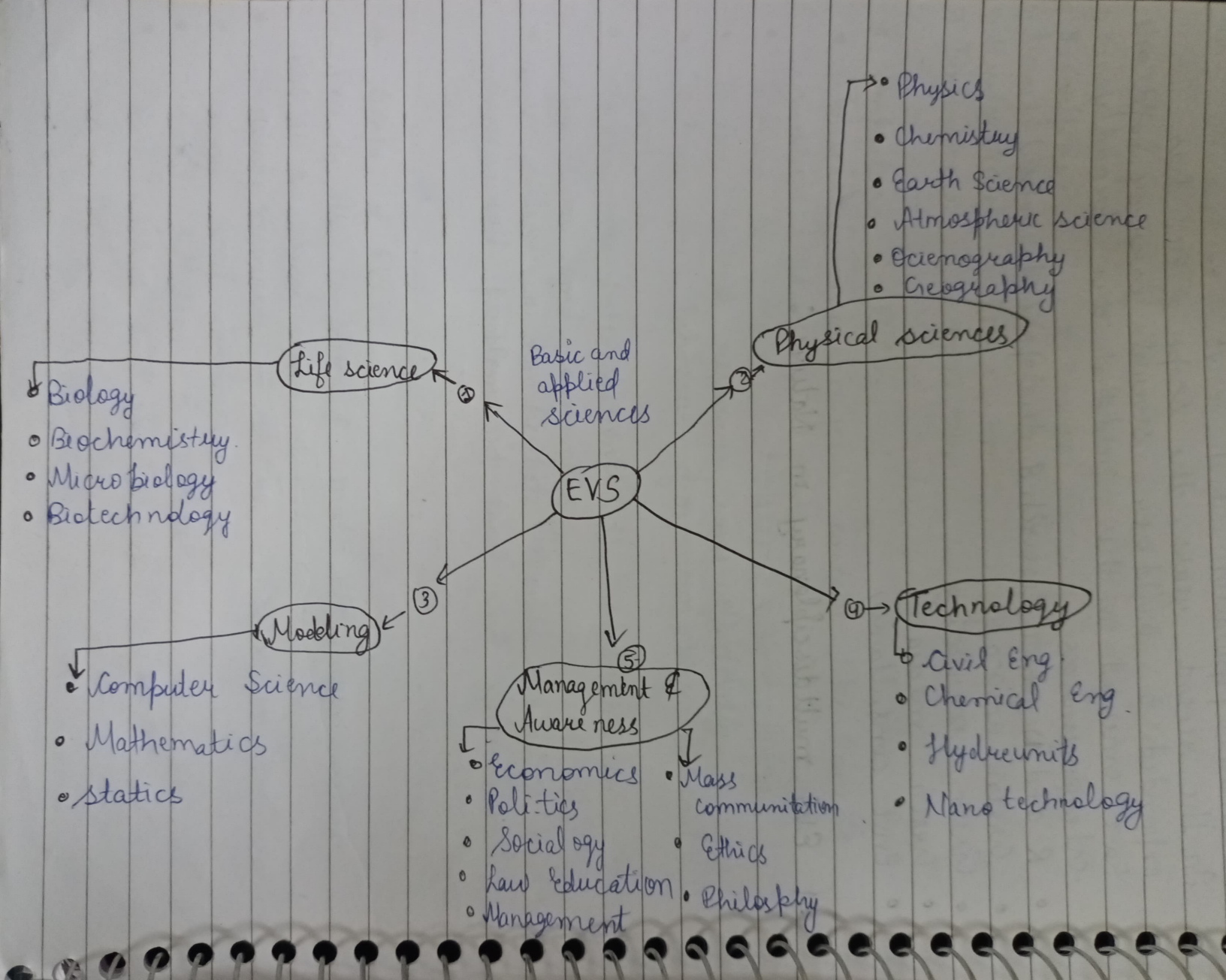
PAGE NO.:
DATE: / /

- Human population and envt.

In the recent years, the scope of EVS has expanded to world over, several carrier options have emerged in this field that are broadly categorised as,

- R and D jobs (Research & development jobs)
- Green advocacy
- Green marketing
- Green media
- Envt consultancy

EVS multdisciplanary in Nature:


EVS
Basic and applied sciences
Life science
Biology
Biochemistry
Microbiology
Biotechnology
Physical sciences
Physics
Chemistry
Earth Science
Atmospheric science
Oceanography
Geography
Modeling
Computer Science
Mathematics
Statics
Technology
Civil Eng.
Chemical Eng.
Hydraunits
Nano technology
Management & Awareness
Economics
Politics
Sociology
Law & Education
Management
Mass communication
Ethics
Philosphy