

12/4/08

- 1 - price fixing → not fixing price in open than by understanding and meeting → so we got profit
- 2 - endangering life → occupational crime

X-rays are put in Cyanides

→ we get Ag, because of non

safety, many people died.



they file Civil Case. but Criminal

Case



U.S.A

Shermann Anti trust act.

Thursday

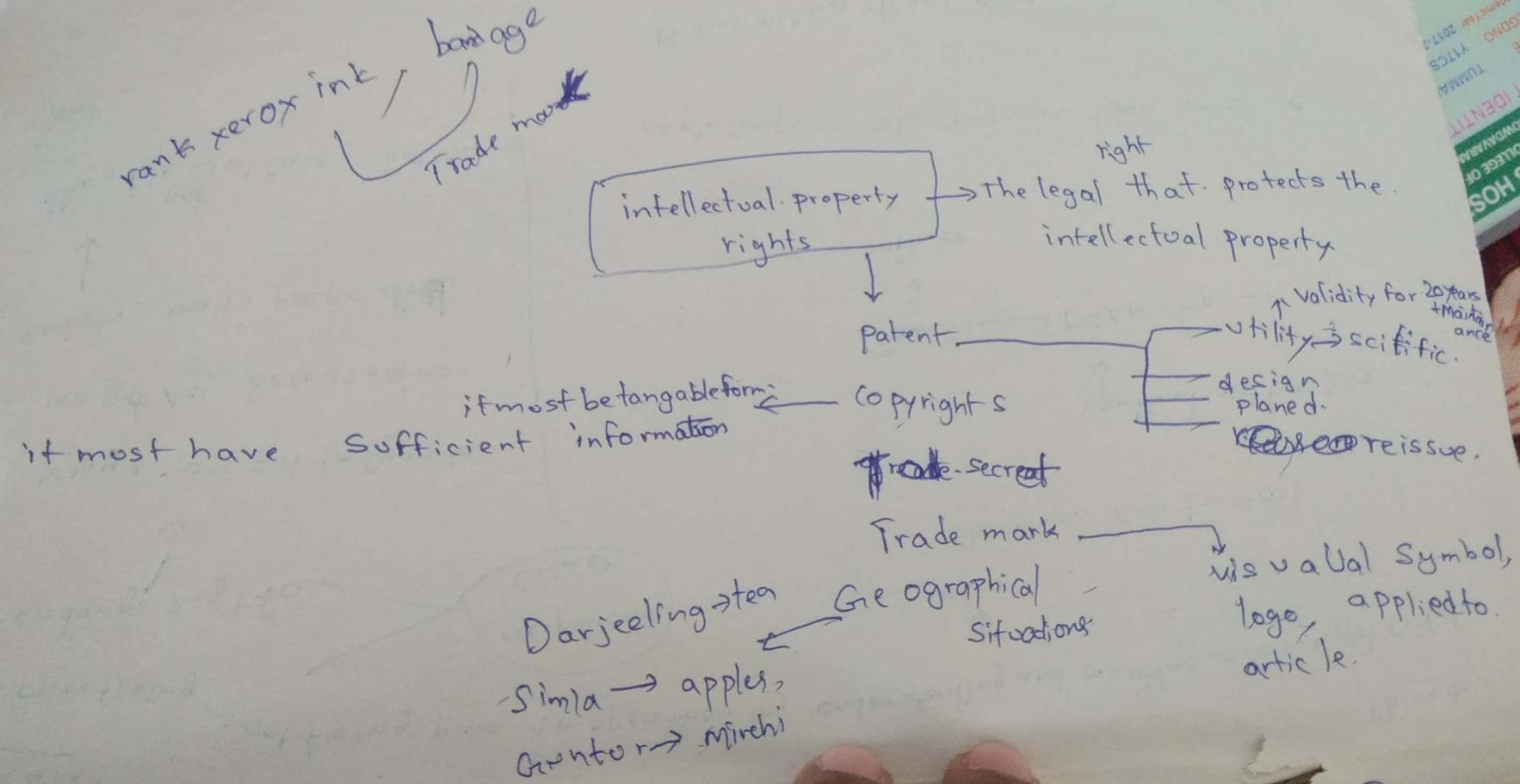
Combined and fixed price.

Samsung → DRAM chips →

Infinion,

apple Computer, other companies fixed price →

British airlines fixed price → oil carrying



How to apply to patent  
→ we need to submit certificate.

utility → Maintenance fees to be paid.

design → not subjected to pay maintenance, validity → 14 years.

planned. → Validity → 20 years, maintenance → not to pay

reissue → modified of utility, planned.

3 → ingredient

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Fridy

Waffen manner. → Computer ethics. → upto 1900

1. Power relationships → all powers should be decentralised
2. Job elimination → fearing of losing the job
3. hackers →
4. Military weapons → by computerise the battle field
5. Computer failure → Cancer patients are died by high therapy
6. Data bank errors → Coris stolen and you are the convicted for this problem.

## Ten commandments of computer ethics

1. thou shalt not use the computer to harm others.
2. thou shalt not interfere with other people's computer work.
3. thou shalt not snoop around in other people's computer files.
4. thou shalt not use a computer to steal.
5. thou shalt not use computer to bear false witness.
6. thou shalt not copy or use proprietary software for which we ~~do~~ <sup>have</sup> not paid.
7. thou shalt not use other people's computer resources without ~~proper~~ authorisation or proper compensation.
8. thou shalt not appropriate other people's intellectual output.

9. Thou shalt ~~not~~ think about the social consequences of the program you are writing or the software you are designing.

10. thou shalt always use the computer in a way that ensures consideration & respect for your fellow humans.

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## environmental ethics

Thursday

### 1. Acid rain

Oxides of S, N reacted with ~~O<sub>2</sub>~~ in air to give acid

Effects

Microorganisms

Aquatic animals

Skin diseases

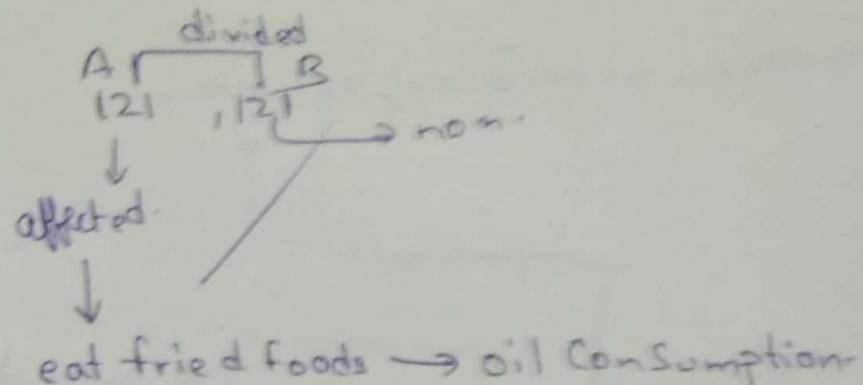
Soil fertility

Germination of seeds

} are effected

### 2. PCB & kanabies rice brand oil

Rice grains pungent smell ← thrown with PCB



1. Reserve mining company → technitite ore → Provide  $\text{Fe}_2\text{O}_3$   
Asbestos in air drinking water

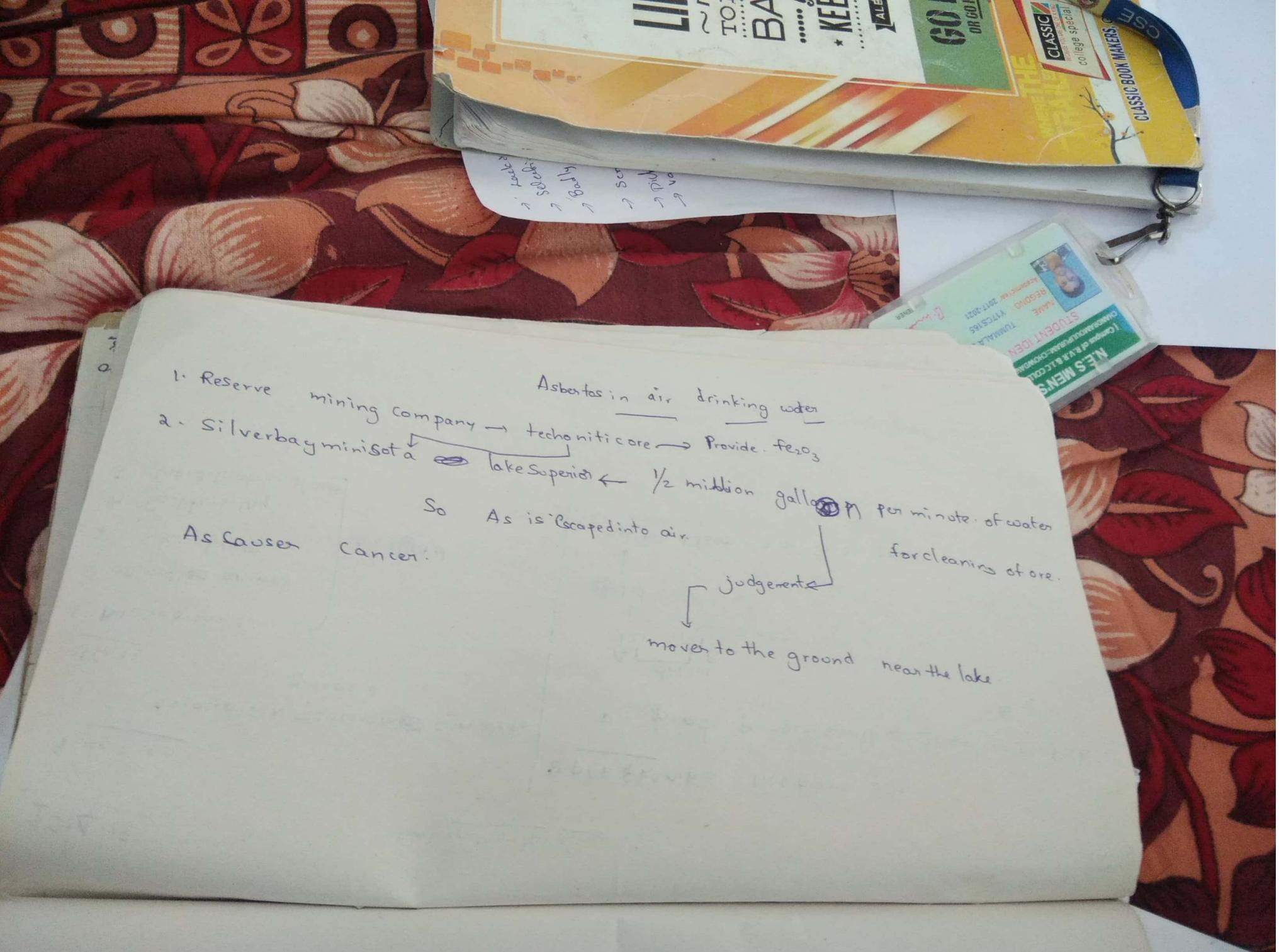
2. Silverbay minisota → Lake Superior →  $\frac{1}{2}$  million gallons per minute of water  
for cleaning of ore.

As cause Cancer.

So As is escaped into air.

Judgement

Moved to the ground near the lake.



View ethics  
Philosophical ~~ethics~~ of ~~ethics~~

1969, first time.] ecan swinger → bible for animal ~~rights~~ rights → experience pain and pleasure.

1. Anthro ~~ethics~~ po → Study of humans.
2. Centrian → Animal Centric ethics
3. Biospective → life Centric ethics → not ranking is preferred.
4. ecoCentric. → entire ecosystem most be given importance.

Green accounting, internalisation of the cost of environmental degradation

polluter ~~should~~ should take the responsibility for ~~reducing~~ reducing the pollution by cost.

## Weapon development

bomb → employed as manger for manufactured.

Anti personal bombs - 665 go a sized bomblets steel after phosphorus (transparent phospho)  
↓  
destroy 10 foot ground destroy  
Plastic)  
it will not seen & so win  
Will inject the body by the explosion.

Mary - Chemical engineer - Napalm - Government. → decide to manufacture or not.  
↓  
Gelly like substance in bombs  
not manufacture to bombs

Weapon seesaw

One company → manufactures

bullet  
bullets, proofs, bombs, shields.



rules the world,



Manufactures the bullets passing through Shields

after shields which not have passed ~~the~~ bullets

Politicians buy the old fashioned guns

↓  
They are not working

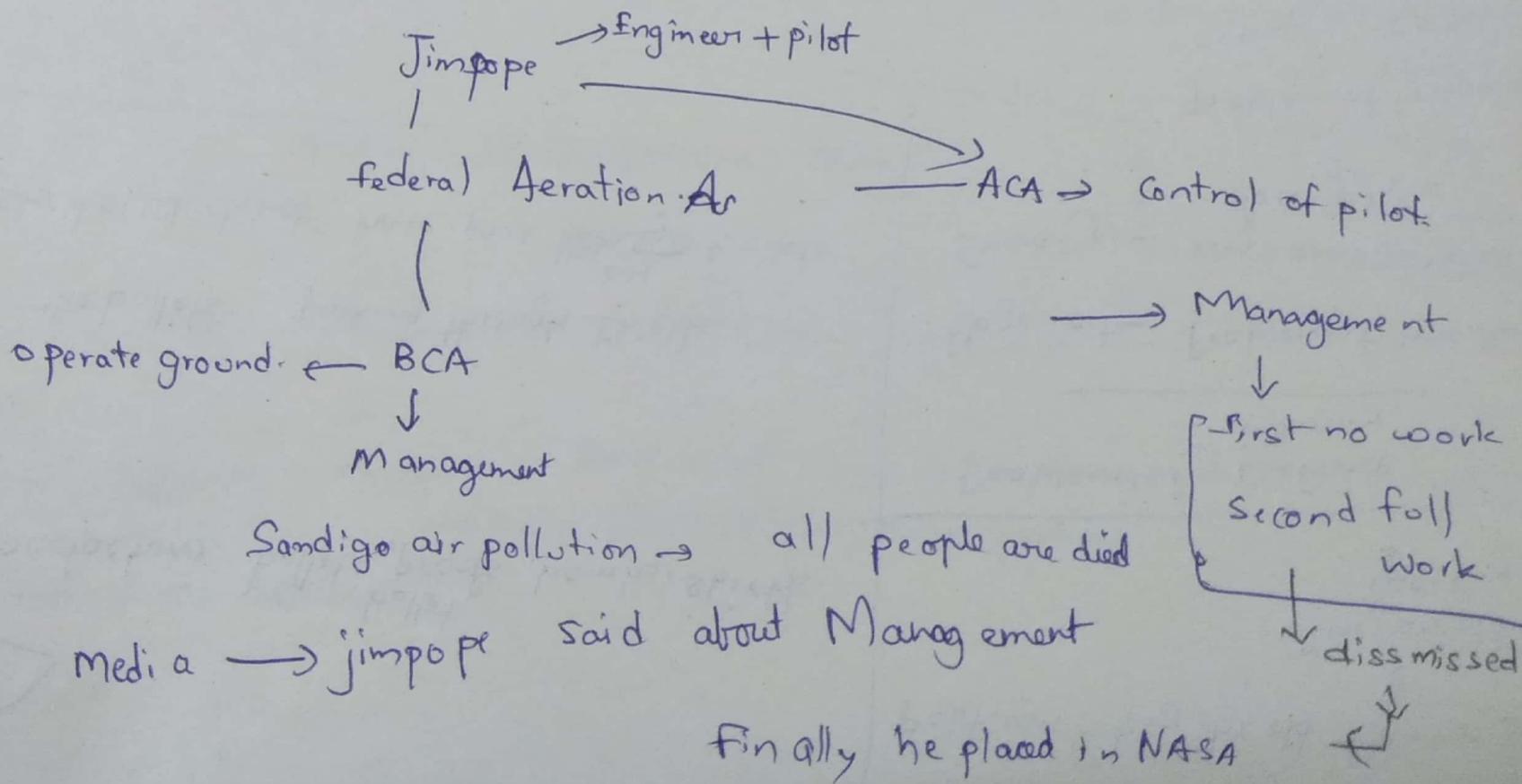
### Problems of Defence industry

Huge Cost - Problem of maintenance

Secrecy - large amounts and few jobs

Problem of technology  
creep

## Rights of engineers



Operate ground. ← BCA  
↓  
Management

Sandigo air pollution → all people are died

Media → Jimope said about Management

→ Management

First no work  
Second full work  
↓ dismissed

Finally he placed in NASA

Human rights

↓

Right to vote.

Professional rights

↓

→ Right to warn public about dangerous work.

→ Inethical activities and.

Basic right of professional conscience

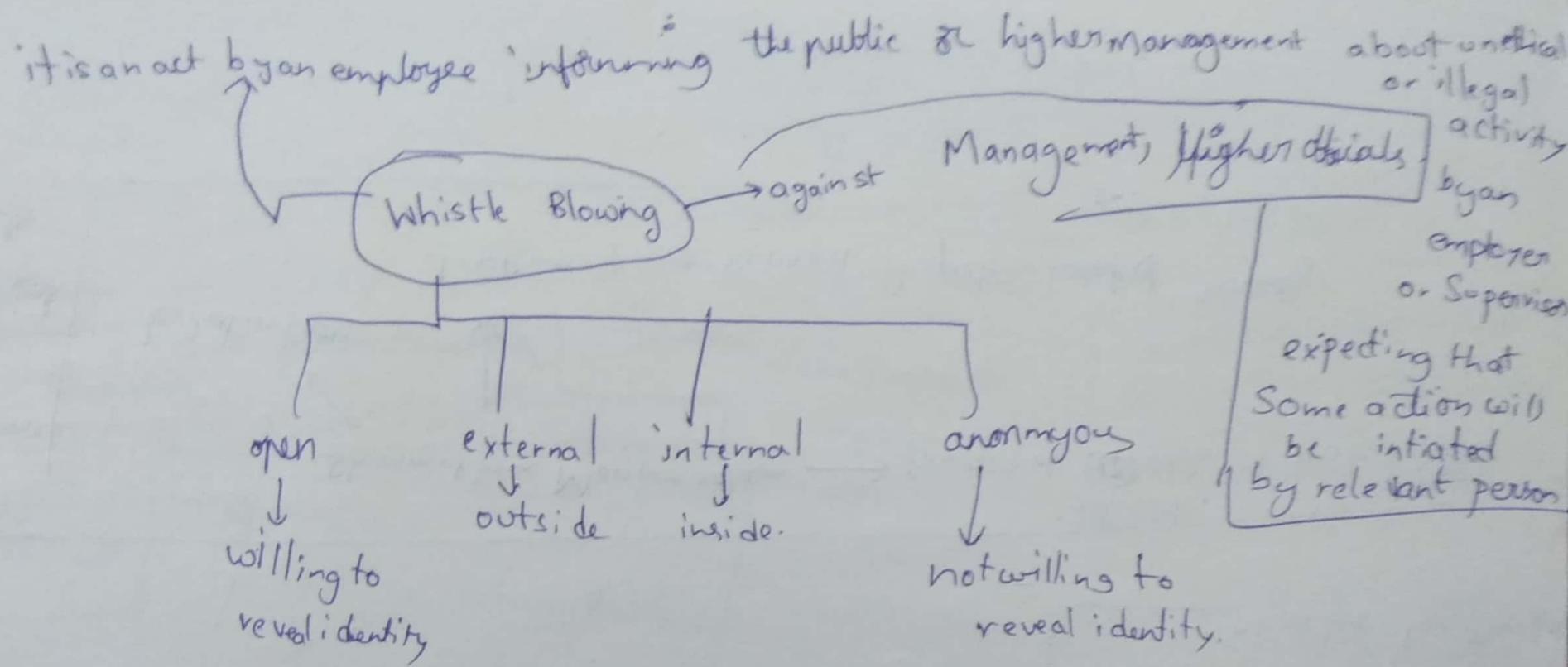
it involves right to exercise professional judgement in discharging one's duties and to exercise this judgement to be in ethical manner.

+ve Right  
-ve Right

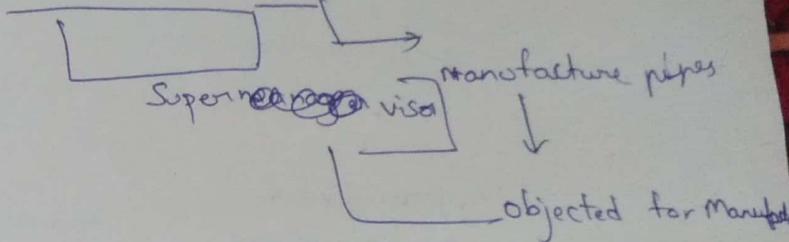
Specific rights

State the importance & difficulty of applying professional rights in some specific situations.

1. right of consciousness refusal
  - Agreement
  - Disagreement
2. Institution
  - recognition of rights →
3. Right of recognition → Monetary
  - chemical engineers wrote book, other name is published?
  - he falls out \* 3 died, mentally absent
- Non monetary
1. foundation of professional rights



Case: George B. Gire ~~and~~ and USG Company



Tractor his name  
↓  
fight for ethical  
rights

Shanmukham Manjunadlam → student of ~~IT~~ <sup>IT, UGM</sup> club of kolkata <sup>CSE</sup> →  
killed in car. ↓  
IOP → up → sealed the petrol tank of rowdy.

Thursday

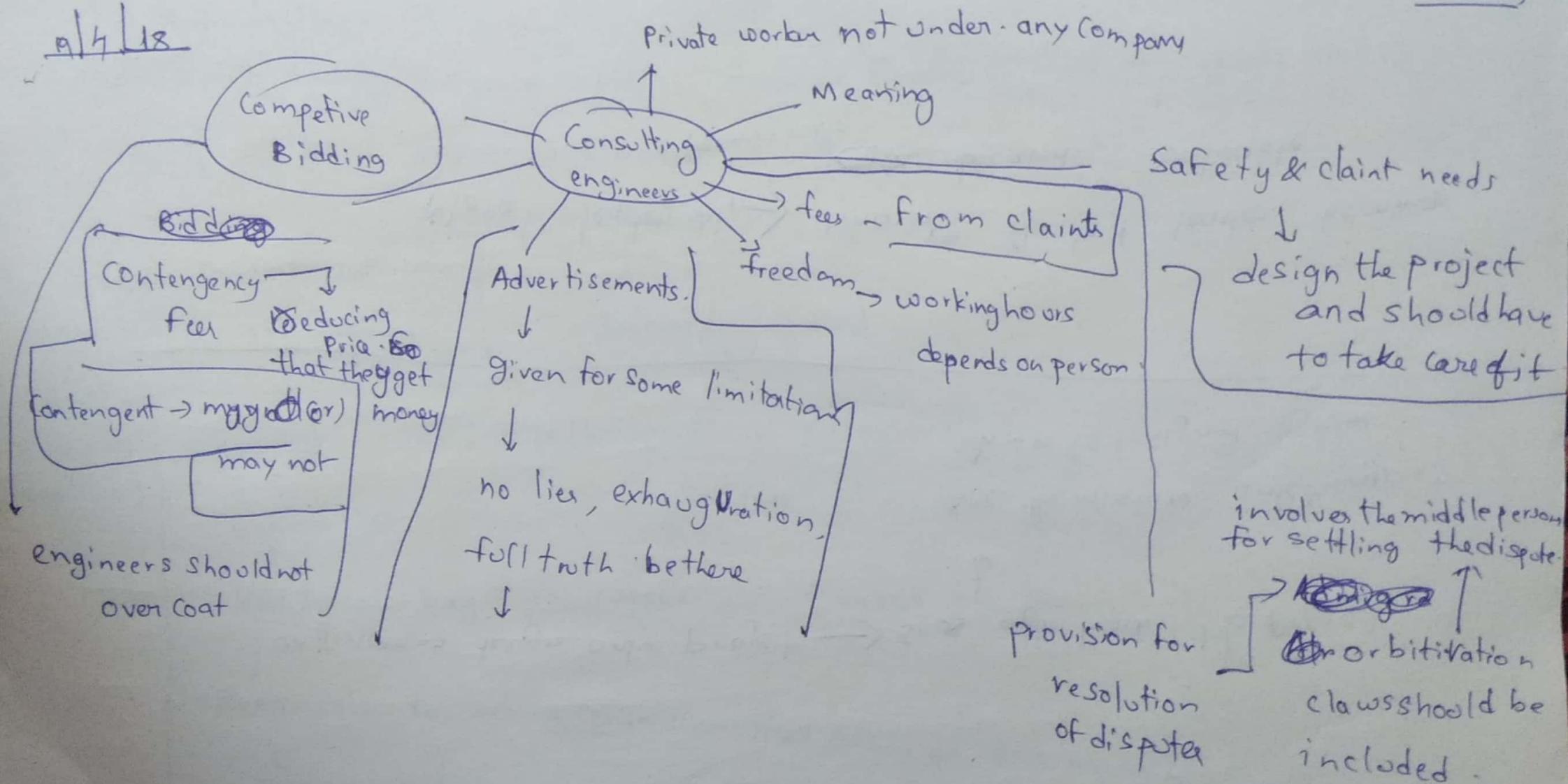
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private worker not under any company

↑ Meaning

Thursday

9/7/18



engineer → design only project → sees after lunch · the project



See the mistake and change it  
which is designed by him

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Moral leadership → whenever goals & leader becomes  
permissible ~~permissible~~ and valuable

What is leadership? → Management of goals and objective

What is leadership?

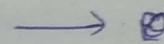
leadership → leading the group of people towards the achievement of goals and objective.

goals of Hitler, Stalin → are it ethical

NSPE created National  
institute for engineering  
ethics for  
Promoting  
ethics of  
engineers

In engineering field

1. Participation in professional



Societies

Speedrail

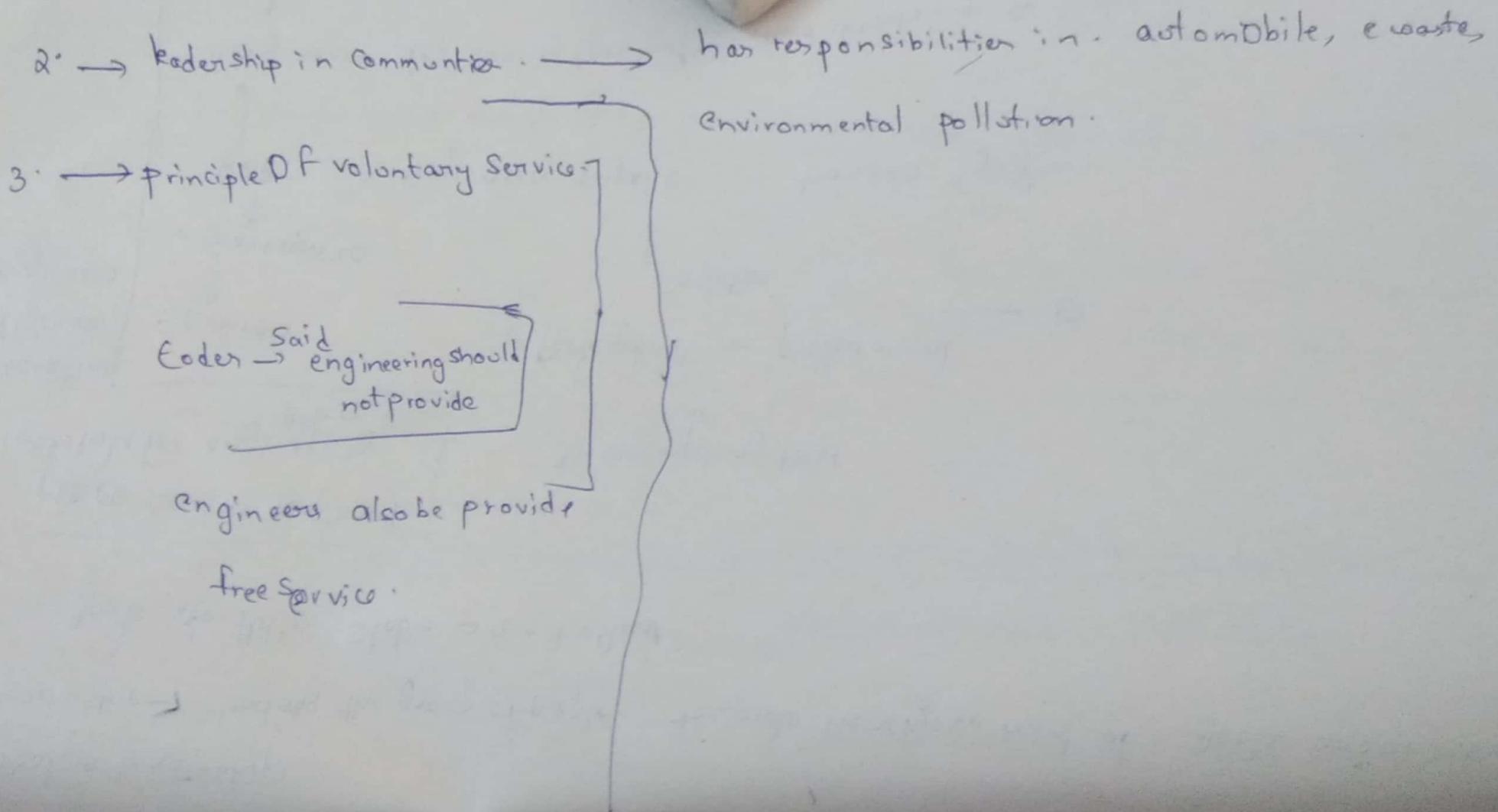
Sanfransico.

BART

→ Bay area rapid transit System

Engineers for seeing construction find defects → sent pamphlets.

IEEE Supported



engineers are expert with hys. → witness

Engineers act as expert witness in the court, heard by platinum or defens.

becomes specialist in forensic engineering



application of engineering skills, knowledge within judicial system,

With next message  
from is  
saying also  
Eye

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Saturday

Engineer as expert  
Witness

forensic engineering

Applying technical skills to  
Judicial knowledge

1. Abuse of engineering as expert witness

1. Abused tailoring gone

2. Financial abuse

3. Ego bias

4. Sympathy bias.

Secret  
Confidentiality → legally required process of keeping  
a secret

Secret w.r.t. to whom?

↓  
Unauthorized people

's  
what is information?

Any information that client or employee would like to keep as  
secret in order to compete with competitor

terms

1. Proprietary
  2. Privileged
  3. Trade Secret
  4. Patent

associated with

information

information →  
information

information → knowledge developed for utilising knowledge within the organisation.

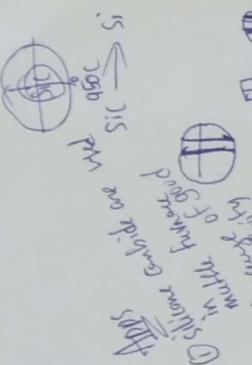
knowledge.

### Justification:

- ✓ Based on Moral consideration.
- ✓ Based on ethical theories
- ✓ respect for autonomy, employees
- ✓ right duty utilitarianism
- ✓ no will support

Explain the concept of environmental ethics  
Q. Engg. exp., Standard experiments

- ① High Conductivity  
Grievable are made from silicon  
with fan  
② Reversible  
③ Used in  
④ Under repeated temp.



Patent  
↓ Works  
B.F. Goodrich

Manufacturer → Space Suits for astronauts.

tax

Cartoon him to not to work in latex, ~~they~~ will give trade secrets to latex.

think  
they he  
will

Environmental  
and social  
Development  
→  
Nigerian right  
of government  
to do what it wants  
→ do to own land  
→ John Lewis

Explain the concept of environmental ethics

2. Engg. exp., Standard experiments

3. Define code and role and limiters.

4. Collegiativity, loyalty

5. roles of engineers in weapon development

6. ethical issues involve,教训steerout, in space shuttle challenger