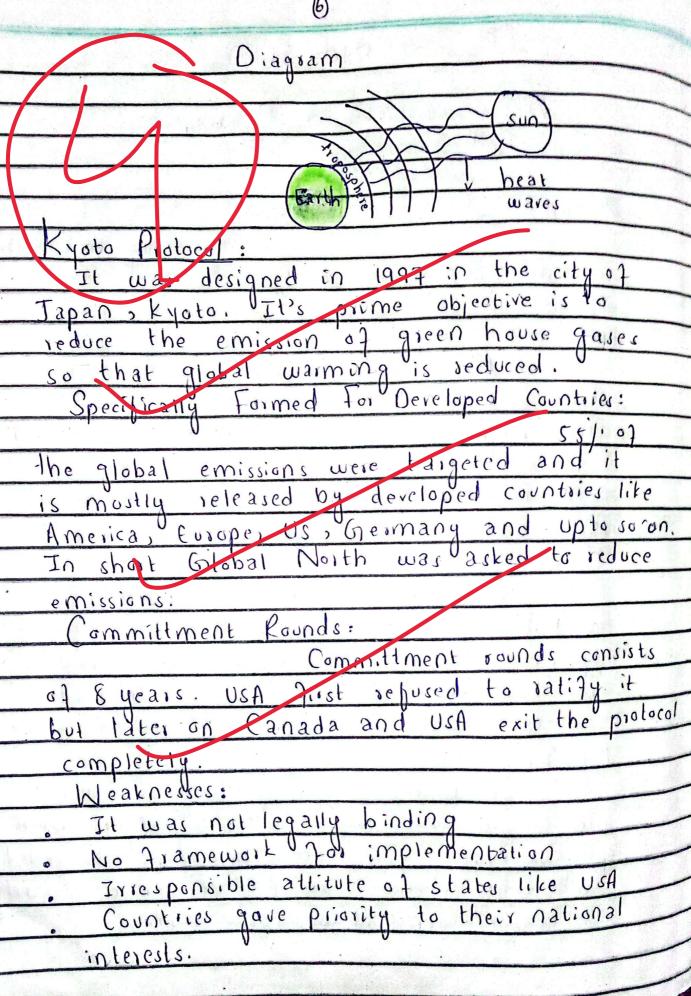
Speneral Science And
Ability
(Question No s7c)
- GIS
GIS is abbreviated as Geographic Information
System. It is basically collection of computer
system that is used to store and present
information of the form, of maps.
Benefits of Using GIS:
As GIS is automatic and
Computer system so it can store large amount
- of data as compared to other things like
remote sensors.
Secondly, large amount of data can be
interpreted and analyzed using one as it's the work of machine and it never gets
tired machine and it never gels
were the manna liela mark and is
Programme of the state of the s
7 001005
Can be stodied using Gis
Applications:
. It plags important role in studying the
effect of global warming on glaciers as
melting of glaciers can be observed using
GIS. It helps in accessing the unaccessible.

to evacuate the land using technology.	=
Taria using Fechnology.	<b>-</b> '.
() i ban Management:	
Collection This man according 1 1 2	
plays data without much hardwork and	
- ent important rale in whom managed	
deles a planning a citus it is used	
Comines the land that is available.	<u> </u>
	<b>-</b> ';-
(Duestion No 5 (b)	
Global Warming:	
	12-
Definition:	
an Climate of Intergovernmental Panel	
civillate Change (IPCC) alabat	
The gradual increase in 11	
activities Both the tames to human	-
the temperature of the	' <sub>&gt;</sub> -
at mosphere and temperature of the Surface	-
of the tarth is mercased. Grobal warming	-
50:00:00	
THE ATTE WE GO	
and as well as environment,	
Causes of Global Warming:	
Cause	
Dieen House Gases:	الم
Those gases	_ -

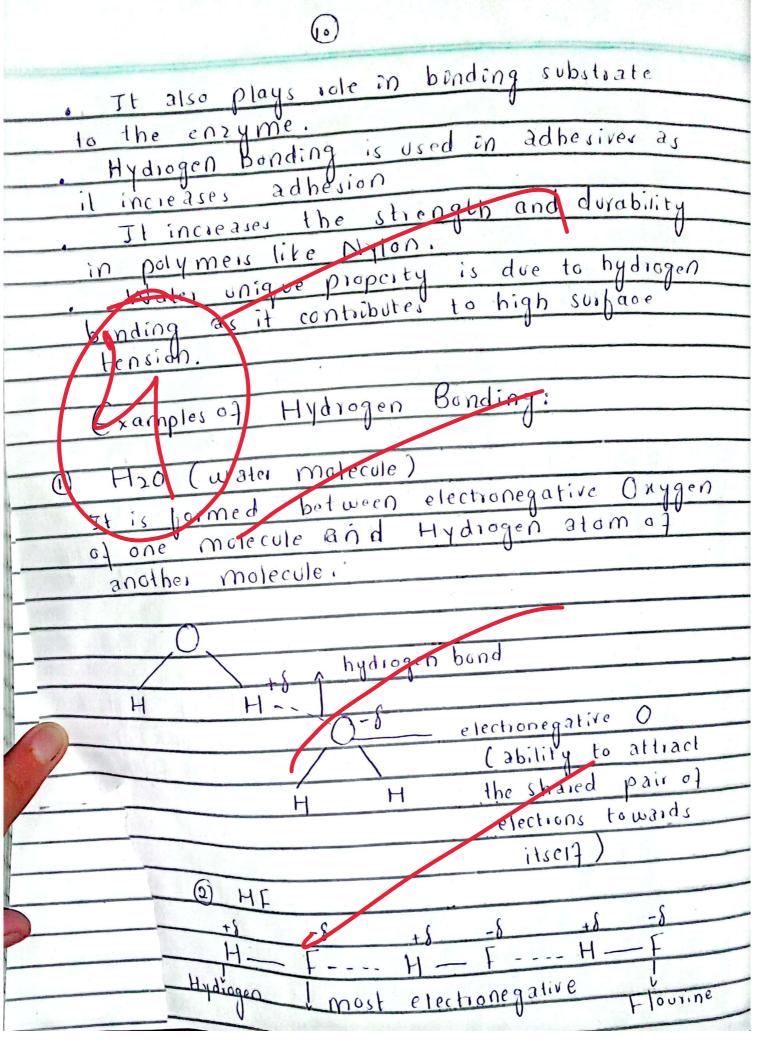
that has ability to trap heat or absorb gases, Green nouse known as green heat is gases includes nouse  $Co_{a}$ CHY CFC3 N20 Coasthe major contributor to the IPCC According global the to global 60% Warming by coa. CHy contributes waiming 11%. and contributes CFC3 Effect: Green House is a normal process that takes place in the atmosphere as some of the heat is trapped by CHGIS in the troposp -here. However, it is tenhanced green house effect which is harmful and is continously temperature of Faith. increasing the Depletion of Kayer: Ozone Another important cause of global warming is depletion of ozone hampol layer which protects rom rays of the sun. It is depleted due to the presence environ haimful substances in the - Ment Chlora flourace, bons (CFCs



1 Question No 5(a) Difference Between Eukaryotic Prokaryotic Cell Difference. In Structure: Cell Generally prolaryotic cells are smaller as compared Nucleus: Prokaryotic cells lacks membrane bounded nucleus and genetic Material is not inside nucleus rather it is located in region known as nucleard. On the other hand, Eukaryotic organisms have proper membrane bounded nucleus where genetic material is present. Organelles: Prokaryotic cells lacks membrane bounded organelles like mitochondria, golgi apparatus and endoplasmic reticulum. Whereas, eukaryotic cells possess organelles like golgi apparatus, endoplasmic reticulum etc. me In prokaryotic cells DNA is single and chromosomes are circular. Whereas, DNA and chromosomer are present which linearly associate with histone proteins.

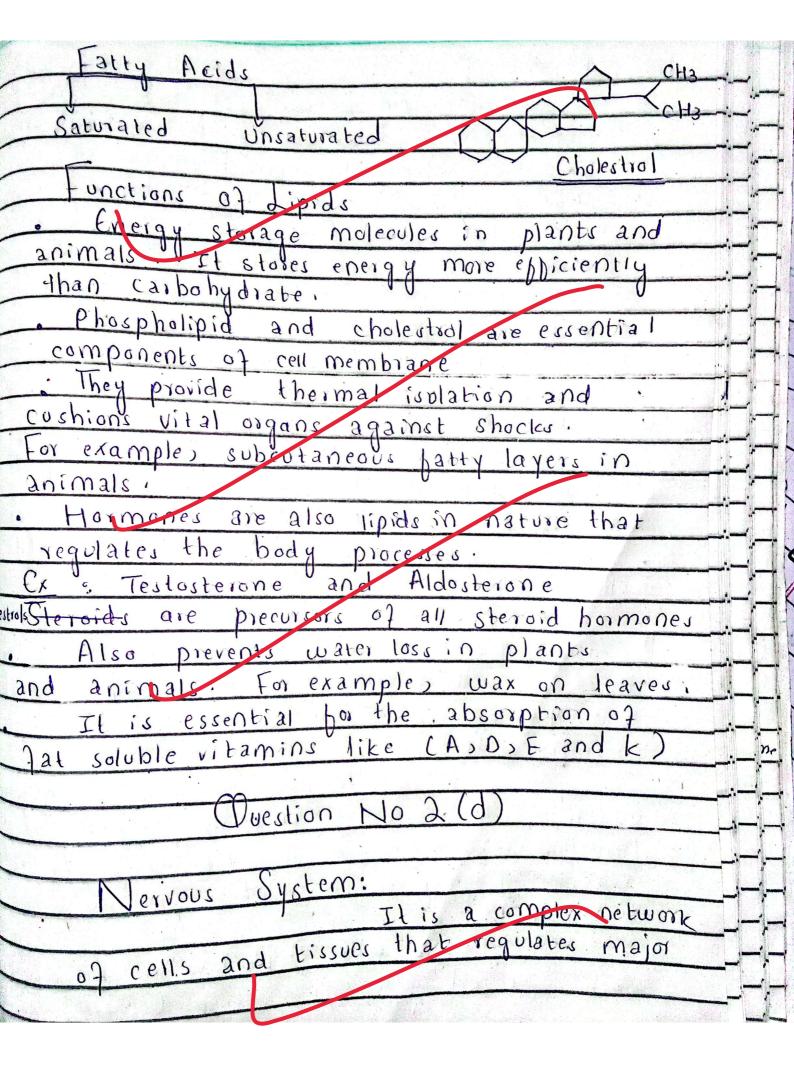
Size of Pibosomes:
Eukaryotic cells have 800
1.bosames which is base and it is
present in Pourte Cadada P.1:
On contrary Prokaryotic ribosomes are smaller
316 +03.
Cell Wall:
Prokadyation cells have cell walls
peptidoglycan. On the other hart
oan or some eukanyotes like plant
Constitution of Chitico
Prokaryotes cells are divided
and disides into 2. On contrary, cell is
mitosis (somatic cells) and meoisis
(for germ cells).
Example:
Eukaryotes: Fungi, Animal and Plant Cell
Protaryotes: Bacteria
cell wall
DNA Libosome
cy loplasion plasmid
Topiash.
- MINISTER DI
A. Prokaryote Cell

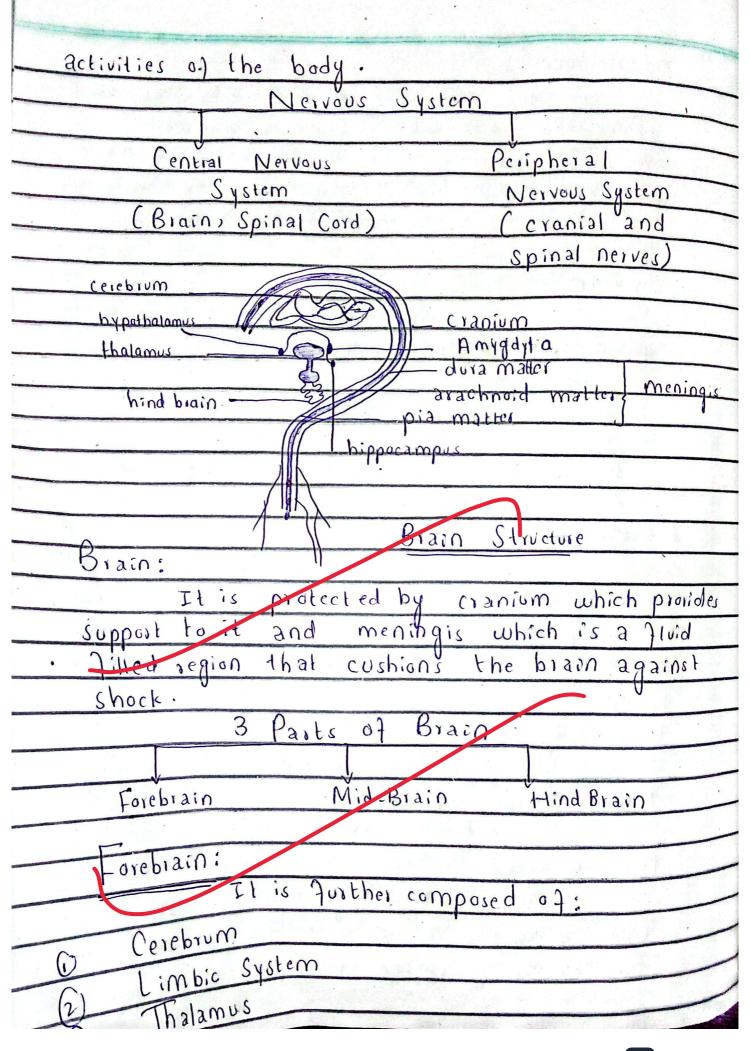
9 vestion 10.2 diogen Bonding efinition: It is that intermolecular bond an formed between hydrogen atom one malecule with the The electronegative atom apother molecule atoms includes Oxygen, Flourine, Nitrogen OzFIN bonding bond orned and O,F,N. haracteristics: Hydrogen bonding directiona 65 bonding Hydrogen 20 weaker covalent bond than than diapole - diapole stronger 3 bend ust like stoong form of diapole is diapole interaction Bondin )ses of Hydrogen banding the base pairs like adenine and thymine DNA molecule. Stabilize It maintains tertiary and secondary structure of protein



bonding electro is formed between Hydrogen and neation No  $\lambda(a)$ ipids: These are insoluble organic compounds that in are water solvents soluble like in non polar alcohol. Composition: lhe are Carbon, Hydrog primaril composed of elements Other Such as Mitrogen phosphorus and a160 present. whtain less more ( -H bonds 1 pes ipids: Phospholipids: composed gly cerol acids molecules att and phosphonic acid molecule tinked to a nitrogen Two 7 or ther two parts: has It Head: Phosphate · ne polar therhore is Water soluble j it is Tails : Hydiaalbon They 910 insoluble in water. and vou-bolax

Maxes: (2) These are formed by long chain of acids bonded to long chain of They are solid at room temperature Usually have high melting point Forms water proof layer on suppace of some plants such as leaves and someanimals 2150 covers bodies of sheep and insects. resistant to degradation Steroids: 3 These are the lipids which do not Jamed of 4 Jused halty acids. It is contain They are different from one another on the Carbon (C) basis of Junctional group attached. Example of steroid is cholestool (4) Acylalycerol: ave lipide made of glycerol These Jalty acids. It is the most common a cylglycerol which contains one glycerol and brycerolis à 3 carbon compound, lo each carbon Hydroxyl group is arrached. This a long hydrocarbon chain with carboxyl group at one end





Cerebron: It is the largest pail of brain, blade imborgant role in learning Storage. Th theU prain responsible por thinkings intelligence and reasoning. lhalamus: It collects and transfer the sensory inhos mation to the limbic system. System imbic Hypothalamus Amygdla Hippocamous Hypothalamus: Il controls temperature, hunger and thirst, and menstra cycle. Amygdla: It controls emotions like nappiness, sadness ? Jear and Hippocampus: It is responsible the storage 701 Memory. of short term Brain Mid basically connects gore brain with hind brain. It's main hunction is regulation of reflex movement human eyes.

