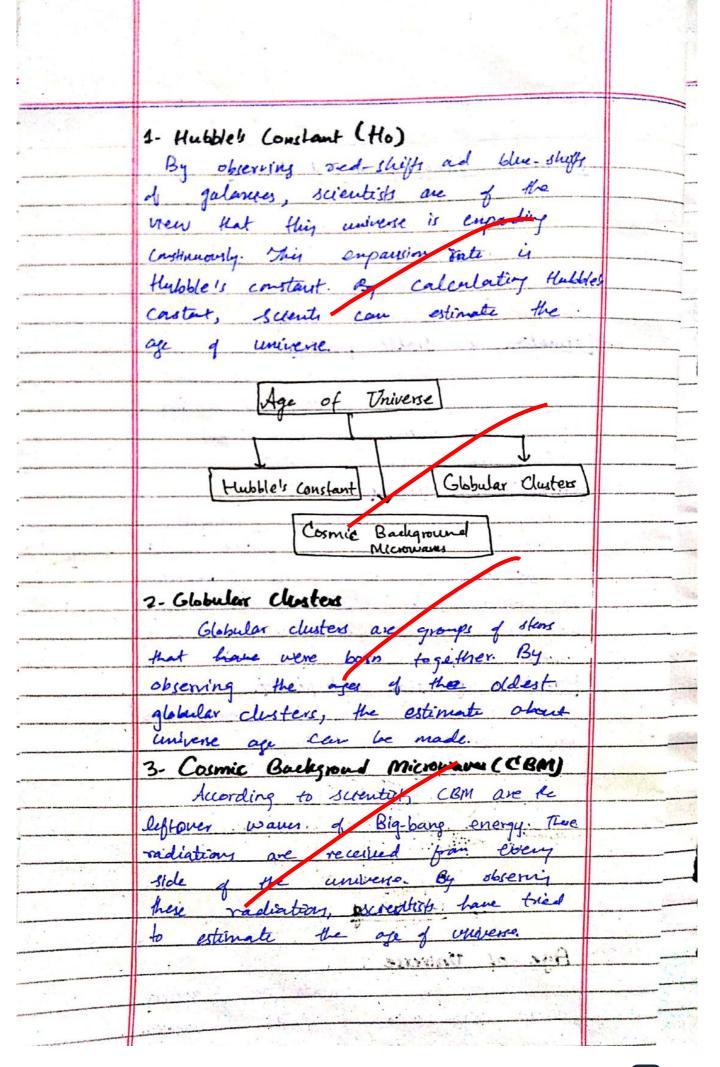
Good for theory portion (Part-II) **Enough length** Section - I Enough headings Q:03 Fine diagrams (a) Global Warning Keep length equal for all parts warming in simple words in portion too in which earth's atmospher Consequences of Global Westing for equatorial colder regions crop ceilhration have become prolonge botter regions, global wasmin and shorter crop cultivation and seasons. my have short-term some regione its long-term disastrous woold. natural slow SE int corrent earth Whole will

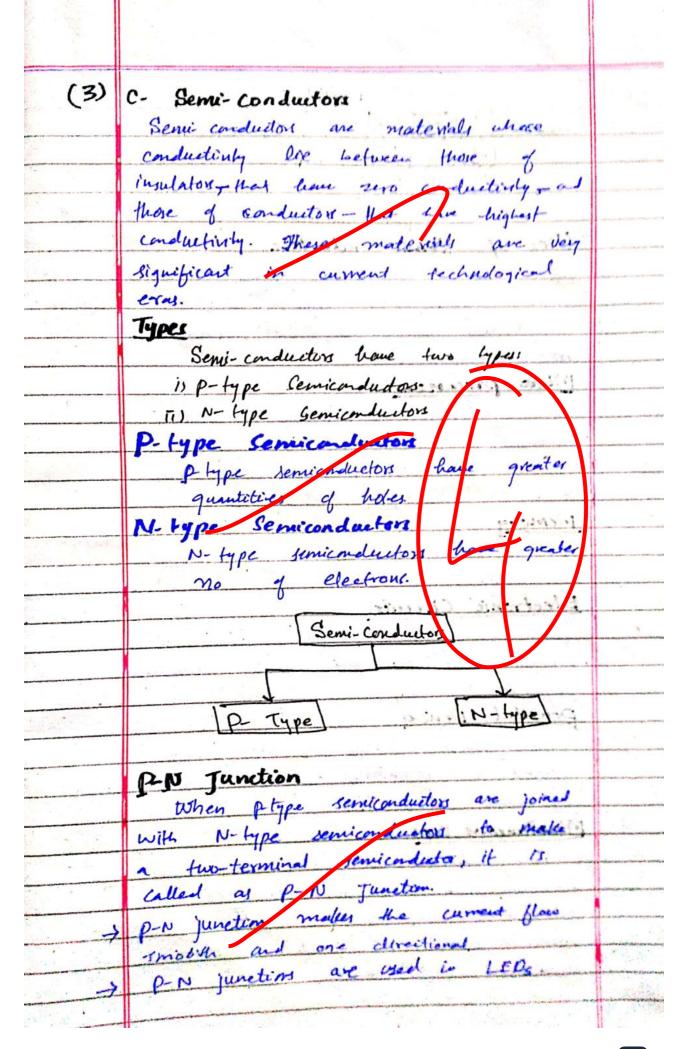
, , , , , , , , , , , , , , , , , , ,	Ocean lends and temperature will	
	incrase	
-	Natural diaster will bring devastations;	
	infrastructure and human loses Will	
	be lost.	
7	Crop jailure will result in fact	
100	Insecurity of Francisco and Sufficts.	7.4
	In short, global wirming 4 such	
	a wild beast that it will make	
	this. to earth a ee no more inhabitable	
3	planet."	
V-18-	Factors that are Triggering Global Warm	
	In the post-industrial word, man	
	has been responsible of traggering the	Sing
	wild beast of global warming. One	Ė
	to increased industralization, green house	To the
The second	gases are anitted in higher leads	
· · · · · · · · · · · · · · · · · · ·	Winds.	
	following burnon activities are poking	See Love
	following warman accounts and party	
	this beast with sticks	
100	1) Transportation. Although transportation is important for	10.5000
•	the regulation of Ruman activities, and	
	increased print valides mean increase	
	Jossil Jud wage and increased emission	
120	I green how jases (GHGg). These are	100
54	These 646, are emitted directly into	a managi managi manag bara kanawa anti Sumo (
	the atmosphere, caving global warning.	3
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	2) Industrialization	
- 22	In industries luman we morally	
	Jacil such - now renewable energy.	
	Those fossil par have high carbon-	and the second sequence of the second sequenc
The party of the last of the l		

Conent. . when carbon dioxide - a mujor OHG and other GHGs are released who the atmosphere the activate the pleasure of global warming. 3) Deforestation Trees are remarkable natural filters during the day, balancing the However, increased human usage of Woods has nembed in deforestation. This deforestation then leads to imbalance in carbon levels in almosphere. Transportation Global Industrialization warming Usbanization 4) Urbanization Due to population growth and other domographic factors like migration etc. more and more of luman population is settling in orban areas. Increased Unbanization than regults to increased transportation, industrialization to many human

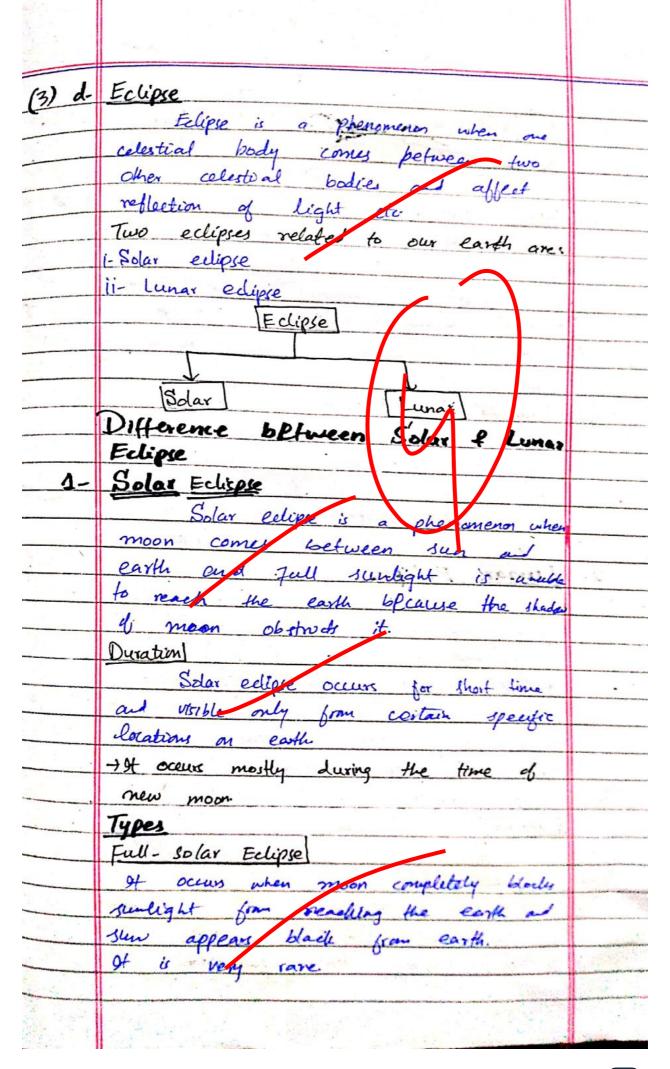
needs and deforestation to build homes and other gaulities. Ir a nutstell, irbanization and population growth we two main factors that cause other disastron steps to be taken for short term safety to luneau. But there steps frigger longterms consequences for human such as global warming and climate change. b) Origin of Earth Origin of the Barth Universe has always been an important questions to answer. There are various theores through which countelogists have tred to explain the origin and ope of the universe. The most important theory is that of Expansion or Big-bury theory. Big- Bang theory According to the Big-bay theory this universe is 13.8 billion years old. This theory is one of the yeast acceptable employations of the origin of universe. - Stafularity Big-yang freeze dayms that, before expersion, this universe was inside a point me was smaller que than pin lead. It was so small. Expamion However, with a sudden bust, the significantly expected. It is called as Big-bang. Within Few seconds, the converse expanded from smaller than

a pinhead to brigger than a gulary: Birth of Time, space and Energy with the enpresent of Singulary, time spale, and energy were som. Energy changed into matter as anti-matter. Anti-matter and matter destroyed each other lar but some matter survived. Formation of Stable particles As the temperature dropped a bit, more stable particles like proton and neutrons became to form. They they made helim and hydrogen nuclei Formation of citoms Further drop in temperature caused electrons to join almady formed nucles of hydrogen and Welium. As a regult, the universe was filled with diggingen and believe gas and other perticles of dust These Formation of stars and planets. These gases and dust then come together under the forces of grady to form staris out planeta Singularly --> Empaysion Expansion Big-bang Age of Universe Scientist try to estimate age of universe through Observation of certain phonomenon. M Followings Some of them are



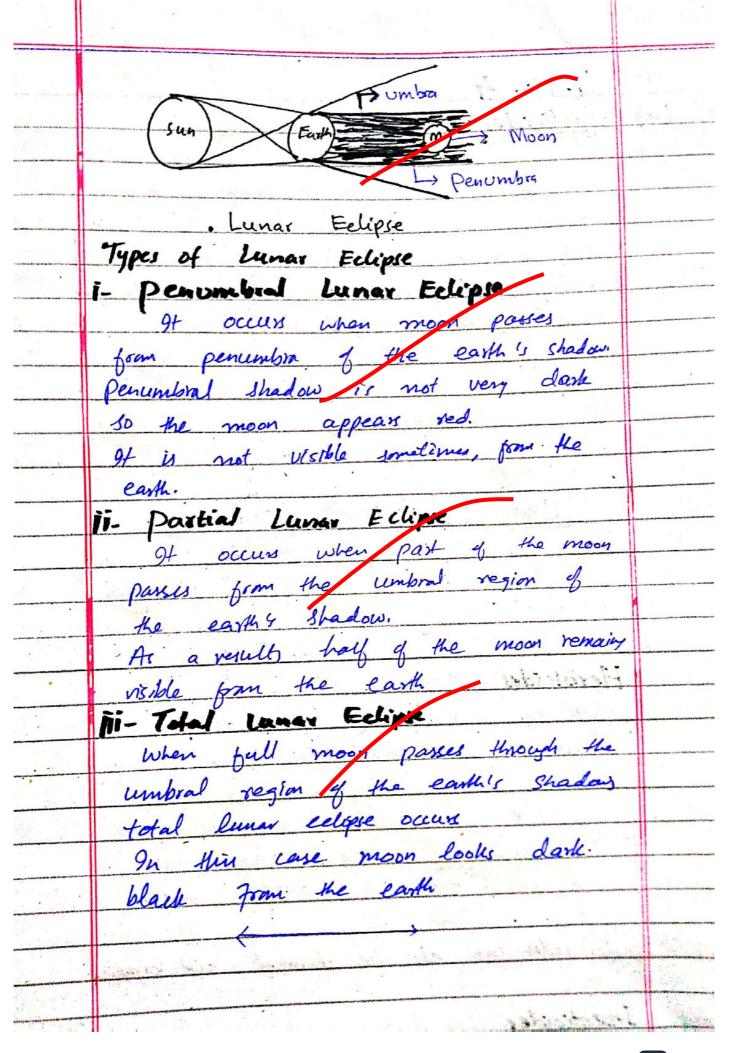


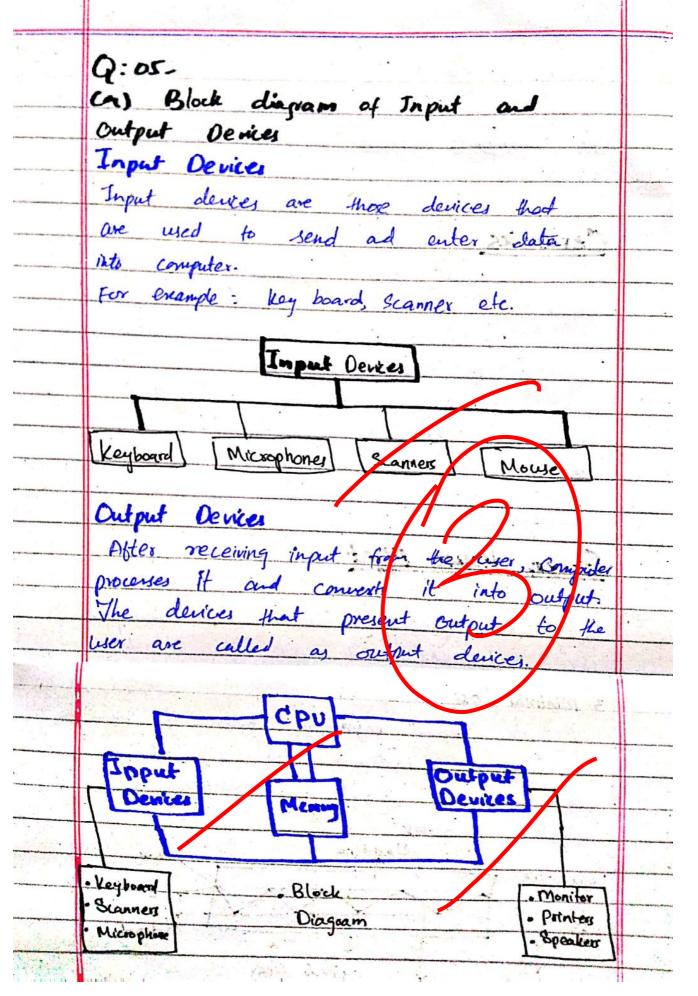
Holes E Holes P-N- Junction Uses of Semi-Conductors. Semi-conductors are very useful in current technological era. They are offen called as brains of "modern electronics" Micro- Procemor processor is computere and devices such as probile phones; tablets etc. Senii-conductors are an important part 1 RAM. Electronic Circuits Seni-Conductors are used in electronic circuits due to their unique carducting properties powerful Devices with some conductors it has become possible to minaturize electronic circuts to make small best paresful devices. Missellaneous Uses Seni-carductors are very important for inquifacturing different important item materials. They are used is medical devices, aeroplanes, cars, Abtgicial Intelligence, LED, etc.



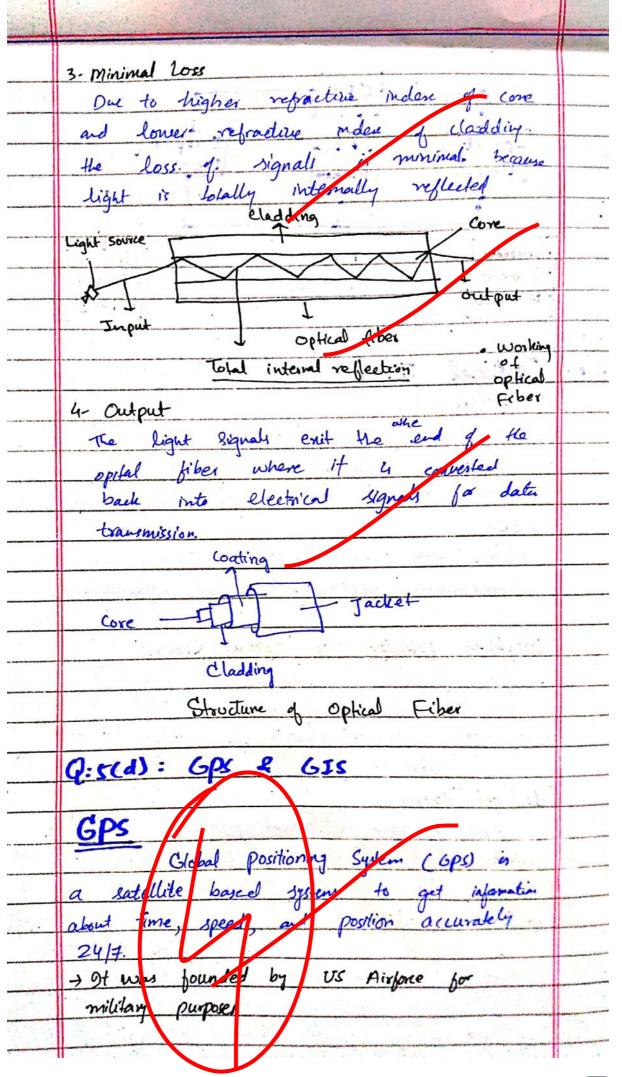
Moon Penumbra Eclipse 2- portial Solar Eclipse It occurs when moon cover andy partial of sun's disk.

During this phenomenon, sunlight is not. totally obstructed from reaching the east, but past of seen is visible from 3. Annular Edar Eclipse occurs when moon passey. from the centre of sun's disk som An annular shape of sun appears. . darker and the sing looks bright. 2- Lunar Eclipse lunar eelipse occurs whom earth comes between sun an moon. Moon has no light of the sun. 9+ reflects sunlight and look bright. When earth passes between sun al moon kannot receive sculight and instead earth's shadow. So, it looks dark as red. Duration - The duration of lunar eclipse is longer than sun. - 1 st can be viewed from larger area that that of solar eclipse. -> It is mody during full-moon-

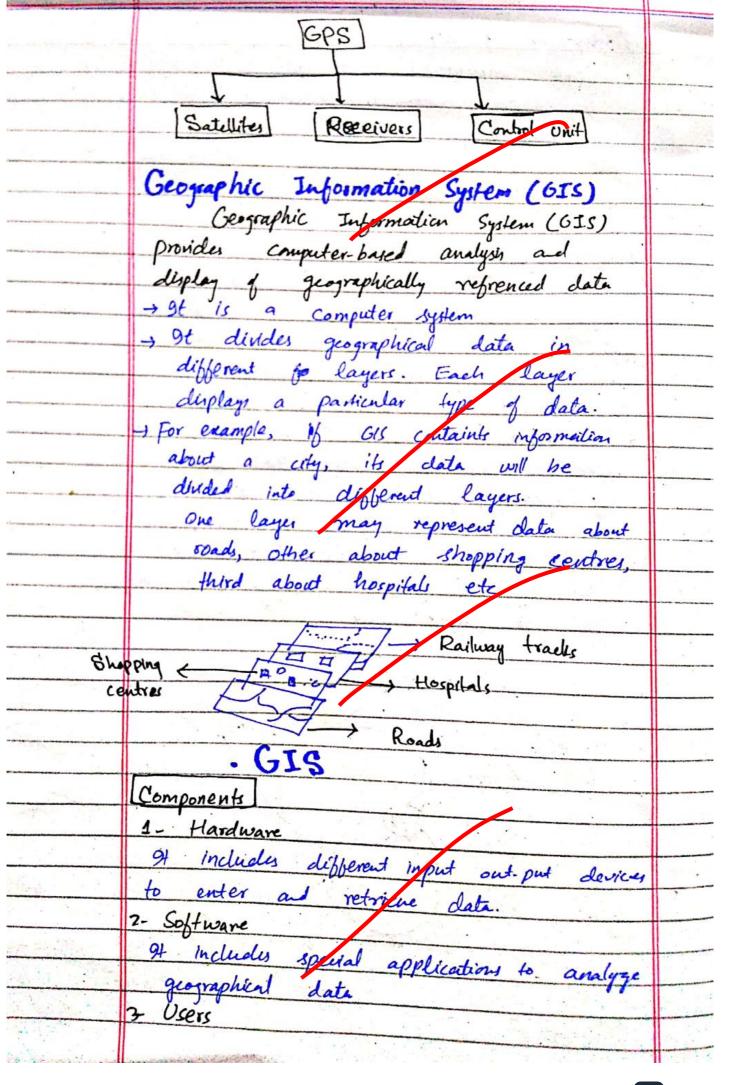




5-(b) Optical Fiber Optical fiber is a thin wise made of glass that is used to transmit signals to longer distances Optical fibers are durable, safe and sereure. They have vide range applications in Communication, petrodes, medical equipments ete. Trooking principle of optical Fiber Optical fibers work on the principle of total internal reflection. Following steps daborate the working of optical fibers. 1: Light source Input is given to optical fibers in your of light. Light in form of LED-generated or lases enter one end optical fiber. 2- Core Reflection. When it onters the come it is kept inside it by reflection. It is tapped mude the core when its angle of meidence is greater than its critical angle.



Components of GPS 1- Space Segment 9ts space segment consists of 24-Constellations of satellites: The satellites give information about time, speed and position of a person or an object. 2- Control Unit GDS has its control unit based on ground. Control unit maintain communication with satellites in space, monitor their function and ractify any malfanctions If occur. 3 Receiver Receivors are the devices that receive output from the satetletes. They can be computy monitors, mobile phones as any drice that receives signals from satellites and display output to the users. Lastr - 900 A Sha



_/__/202 Probability of Negative lyw be: p(p) = 8(d) 2 Mean; Total obsernati 18+19 15+15+16+16 16.5 Median the mid value Median arranged in 15, 15, 16, 16, 17, 17, 18,19 mode Made is the most repeated value in the data So, here mode is als "16" Range Range. Highest value - Lowest value 11 Q: 4 400 seats Capacity Total occupies 325 ? upied seats Attendance percenages 325 × at percutage the attendance 91-251