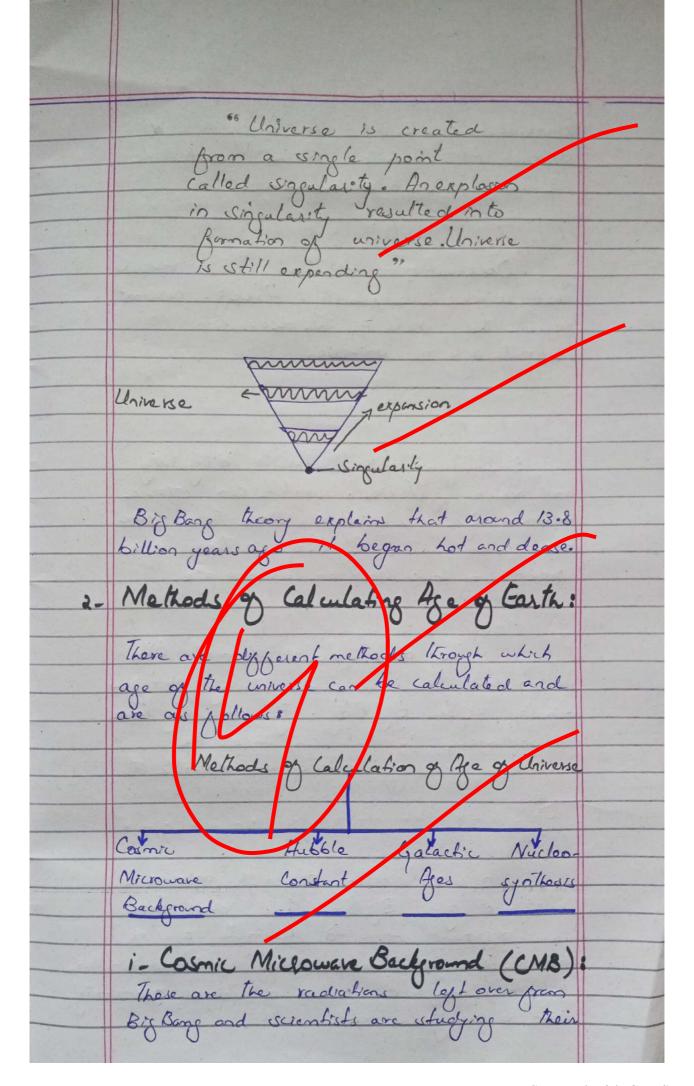
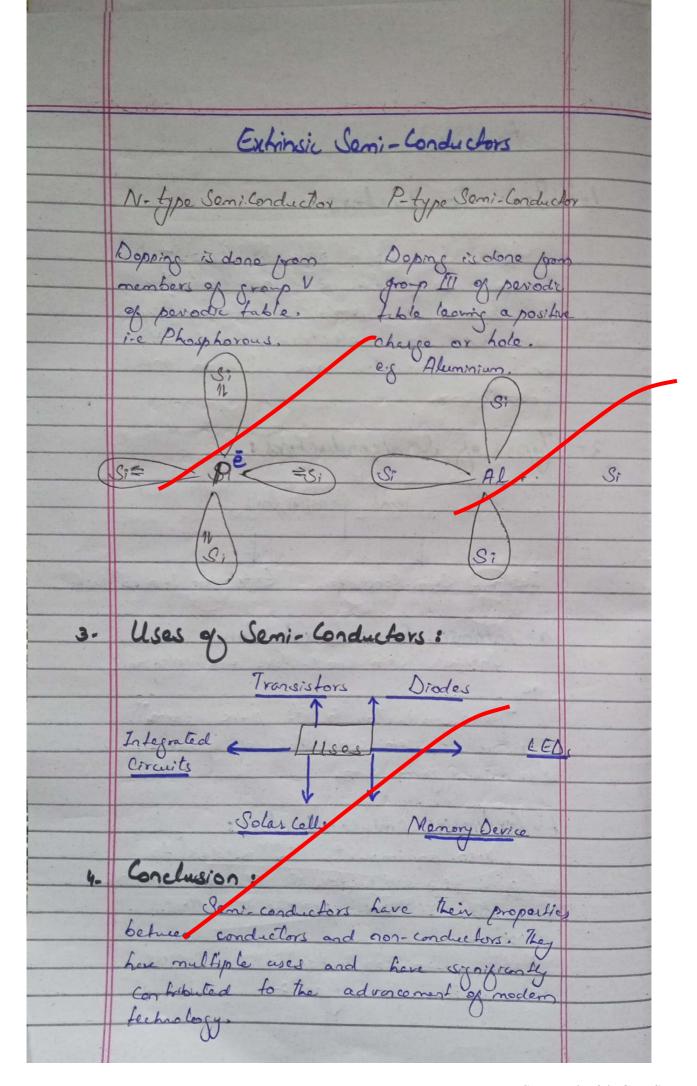
(Section - I) Very good for theory portion **Enough length** Enough headings **Enough diagrams** Write complete logic and steps in math portion threat which is continued Wayning as Wild Beaut: bookst is used as a met 33 million people in Pakisten were Therefore, it is true to consider global worming

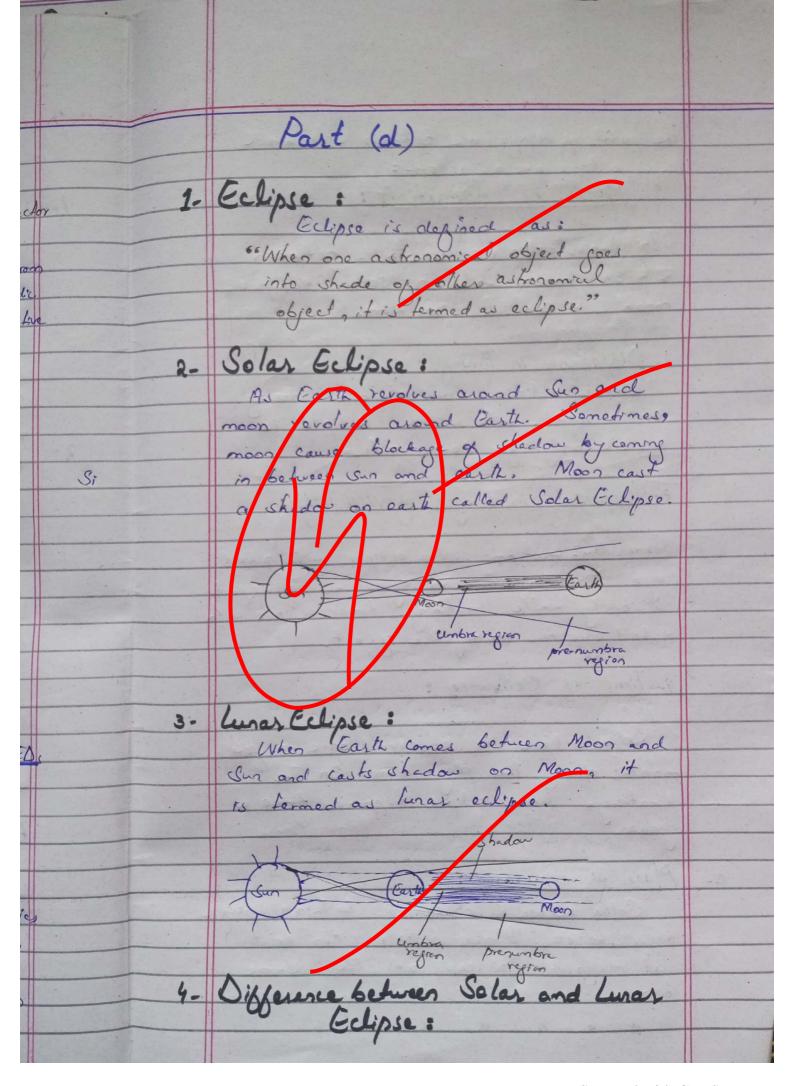
3. Analyzing "We all are Poline with Sticks": The above statement is used as a notaphor adaptive measure to curb climate change are not enough. According to Pakish Institutes Paketon has improved to perest cover up to 6% through "Billion Tree Project" and other compagns. Though, Pakritan is contributing around 1% of global greenhouse gases get it is 7th most vulnerable country to climate change. The important point is that global export is needed to increase climate resilience as mentioned by article published in "Nature Journal" 4- Conclusion: National exports are insignificant to curb climate change and do require related to characte rockeding COP-27 and COP-28 provides theorafical pranework which needed to be implemented serrou in of Universe explained by Big Bang Theory which



	temperature pluchuations to study age of universe. For Example, Plank's satestite is used for such measurements.	
ii-	Hubble's Constant: Observation of Airstant galaxies reveal that universe is depending. Hubble's constant reveals the rate of this observation to estimate age of universe. Vo = Hr	
iji-	Galactic Ages: By studying oldest stars in Milky Way and nearby galaxies, exientists can injer a minimum age for universe. Since these esters are formed after Big Bang, so their ages provide a lower limit on universe age.	
No.	Nucleosynthesis: The abordance of elements like Helrun and Deutrum jumed during first pew minutes after By Bang. By measuring these abundances, scientists can infer the Conditions of early universe and ostimate its age:	N.
3-	In a ruf shell, origin of universe is explanaced by Big Bone theory and there are different ways to Estimate age of universe. When these methods are used in combin provide a consistent picture of universe approximates the second of the seco	

	D 111
	Part (c)
	0 () 1 -:
1-	Semi. Conductors:
	Materials which have the property
	1 1 and dictor and non-conductors
	are termed as contin conductors. They
	are used in electronics and two
	best semi-conductors are Silvin and
	Germanium
	Types of Seniconductors &
7-	10.
	Semi-Conductors
	Interesse geni-Conductors Externero-Semiconductors
	Conductors:
	Intrinse Sem-Conductors are defined
	aus
-	For instance geni conductors of pure
	for instance g seni conductors of pure
	sificon de formanium.
	6- Extrinsic Cemi-conductors:
	Miles as impurity is added to
	When an impurity is added to the pure semi-conductor, it becomes extrinic
	semi-conductor. This process is called
	donate.
	Fratingic Conjuctor has alivided
	into Burther two types:-
All of the second	

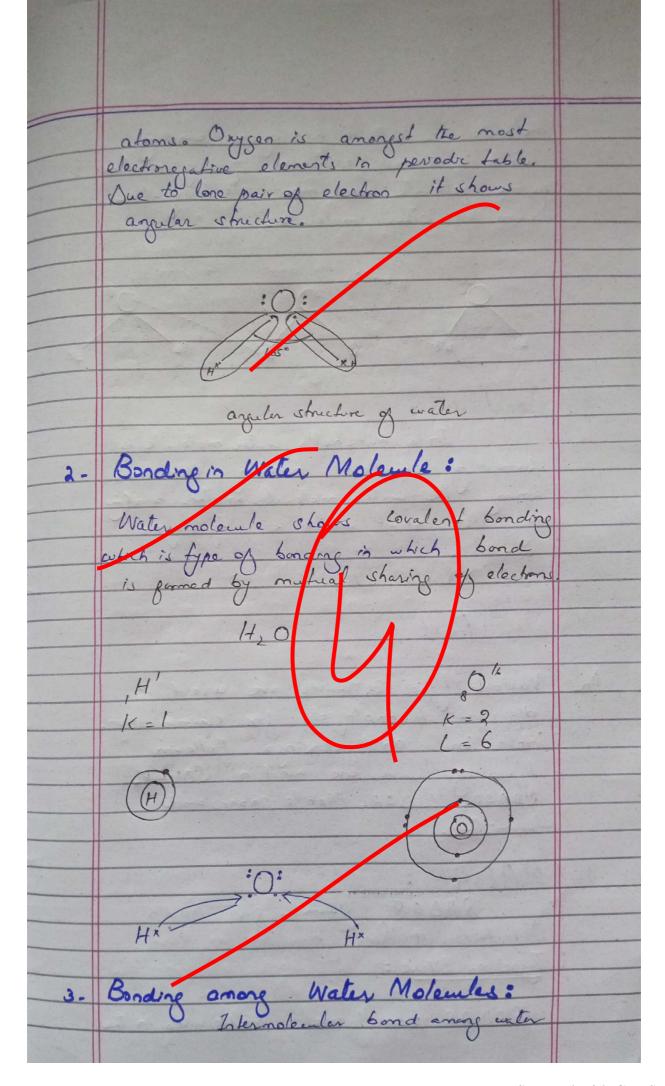




	The points of difference between solarand linear oclipse are as pollows: 1- Process of formation:	
	In lunar eclipse earth is between and moon while in solar eclipse, moon is in central position.	
	2-Difference in Timmes: Lunar eclipse is visible during entire night, while what eclipse is visible only for few minutes.	
	3- Difference in danger of visitality:	
	generally, watching solor eclipse with neted eye is dangerous for eyes as it affect visibility while watching hur as eclipse with nated eye has no negative effect.	
	Solar celipse is observed once in jour months during the day time. On the contrary, lunar celipse happened twice a year.	
5-	Place of occurance. Solar eclipse is observed within a specific	
	at different places at the same	

Question No. 4	
(part a)	
Desticides:	
Postridos ano mixture of substreas	
which are used to prevent a control of	
mitigate parts. They includes insecticides funcicides, herbicides, rodenticides etc	
They are used in agriculture to protect	
the crop from posts that can damge and destroy the crops.	
Herbicides are the type of pstifides which is used to control	
by will the would plants, for thamps	4
in agriculture foresty and landscapping	2
- to marge regeration. They are crucial	
for weed entrol in Crop fields, prevents	S
iii. Insorbicides:	
Insecticides de also type of	
posts and seeds. Insecticides are	
used in agriculture o public health secto and on house holds to protect against	7
injectations. They come in various forms like	
Sprays, powders and baits.	

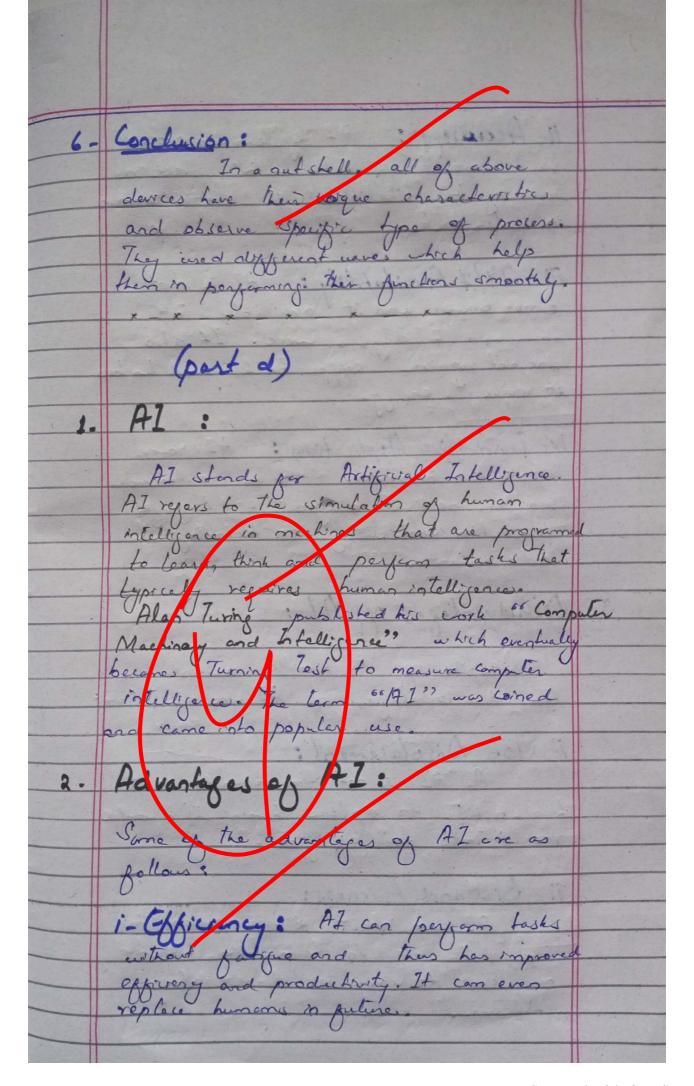
iv.	Ceranics:	
	Ceranics are non-metallie is storgenic materials that are typically hard and brittle. They include products made from clay, porecolor and other materials which are pired at high temperature. Ceranics have diverse applications ranging from traditional pottery and bricks to advance uses.	
V-	Green house Effect:	
	Cheenhouse offect is a gatural phenomena where certain cases like Cons City, Non in the carth atmosphere trap heat parthe was preventing it from escaping into space. This trap head warms the planet. While greeshouse offect is assential for maintaining human activities, increased Greenhouse offect leads to global warming and climate changes	
1	Water Molembe:	
	Mater molecule has an angular Houchere in which a single electronegative oxygen from has shared its lone pairs of electrons with two others hydrogen	



	molecules is called hydrogen bonding which is formed between hydrogen atom of one molecule and most electronegative atom of other molecule.	
	4 48 B 48 64	45
4.	Conclusion: In a nutshelly water molecule is formed by covalent binding. Whereas, among the water molecules another bonding may also exist which is hydrogen bonding. (Part c)	
Ans	Various types of waves are used in different technologie for Communication, defection and senings Following types of waves are used in SONAR, AADAR, LIMAR, Mobile phones and termisters.	
1-	RADAR stand for Radio Detecting and Rayling. Type of Wave RADAR primary use radrowaves in the	

	mirouave frequency range.	
	Purpase:	
	Rediowaves are emitted and their replaction of objects are defected. The time delay and Dopples whift of returning	
	Location and characteristics of objects	
2-	SONAR stands for "Sound Nagivation and Ranging."	
	type of Wave SONAR used Soundware typically in the ultrasoric frequency range to detect sounds	19
	Purpose: Ultrasonte waves are emitted anderwaters and the returning echoes are used to map the seaploon, locate anderwater objects, or defect presence	
3.	LIDAR: LIDAR stands for Light Emitting and	
	Type of Wave LIDAR use light waves, typically in the form of pulsed laser beams.	
	Purpose: Loses beams are emitted and the	

	replection of surface are measured. LIDAR is commonly used for mapping terrain, creating 3D models and in autonomous vehicles systems for obstacle detection. Mobile Phones:	
	Mobile Phones are the wheless devices used for the communication.	
	Type of Waves Mobile phones used electronegratic waves, experially radiowaics for wireless communication.	
	bonds for communication including radio and nicrouse tressers 14	
5-	globaly.	
	Thermistors are temperature sensors to measure temperature or change in temperature.	
	Type of Wave? Thermistors do not used any who and work on electrical	
	Purpose: Thermistors are temperature sensitive. reassfors. Their electrical resistance changes with temperature.	



11- Accorney: At ystern can process	
ii- Accurry: At ystern can process vast amount of data with precisions roducing the litelihoood of errors commo	
in himan tasks	
iii - 24/7 Availability: AT is not	
times bound and it available 24	
hours and 7 days a week. It also doesnot requires coffee breaks and hinche	
to revive its energy.	
iv- Innovative Application: At powers	N
application innovation ouch as autonomous	
volveles, nedreal dragnosis and language	
translation contributing to technological	
advancements.	
Disadvantiges of Al:	
Manute on its limiters advantages	
Despite of its Imillers advantages, the disadvantages of AI are as follow	25
i- Job Displacement: As AZ is not time bound, so it	
has ability to replace human which would	4
result into loss of jobs.	
11 - Bias and Fairness:	
D7 hart brases pressie	
1. 1. t. used to tram them, and	1
may loool to unjoir or discominatory	
outcomes	

	Tii. Ethical Concerns: There are ethical concernations
	rejerding AI , including tessues related to privay and potential misure of advance technology.
	iv- Threat of themon Extinction: Critics of ten declared
	AT as a threat to human extraction. They argue that if machines learn to think like human they will try to dominate humans.
4-	Conclusion: AI has modified human
	that it should be used for positive use. International squarations should play
	their part of minimizing absolventages and threats to AI.
	Seetion II
	BROTHER is written as ODGSNQA
	SISTER would be =?
	BROTHER -IL-IL-IL-IL-IL-I AQNSGDQ (writter, The coole from last)

