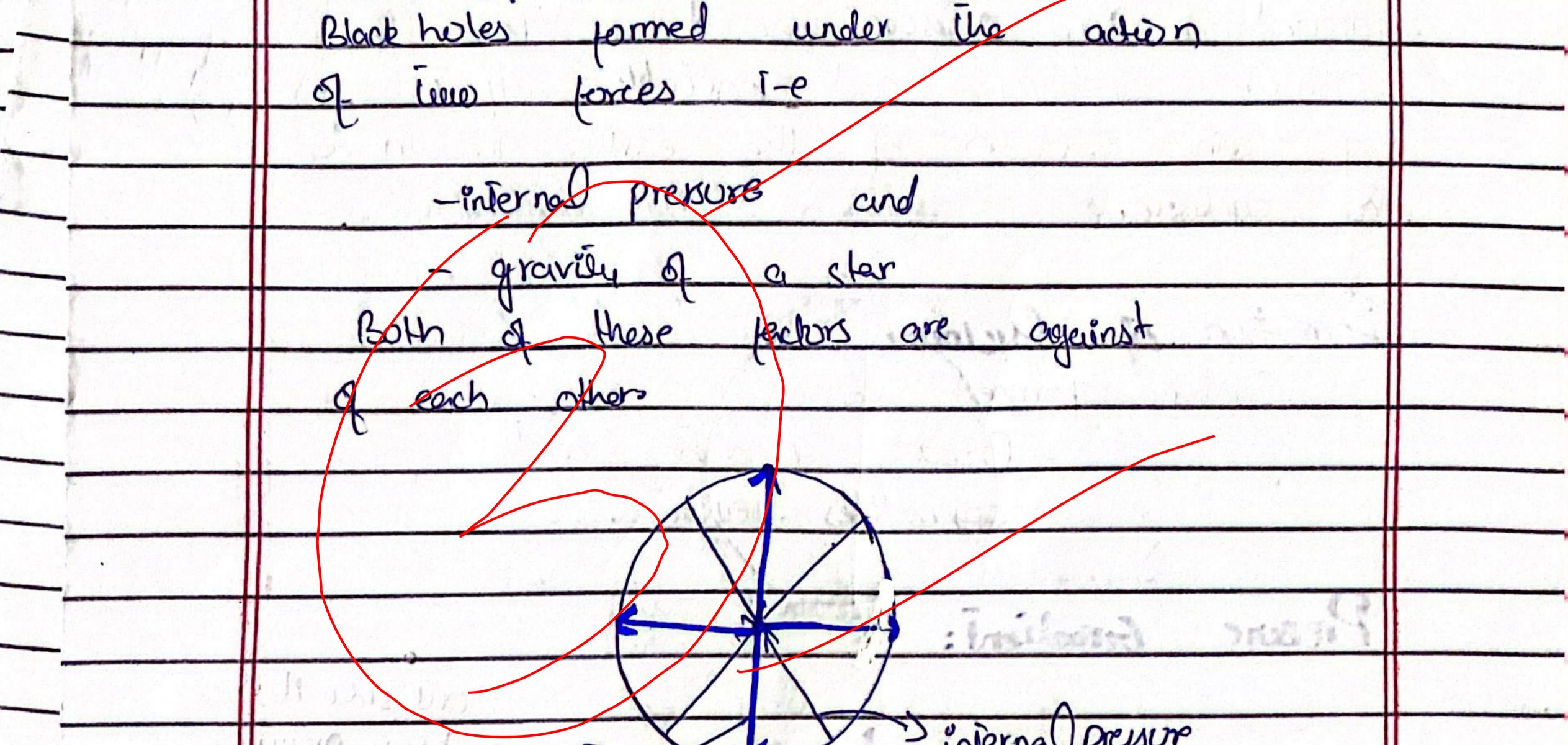
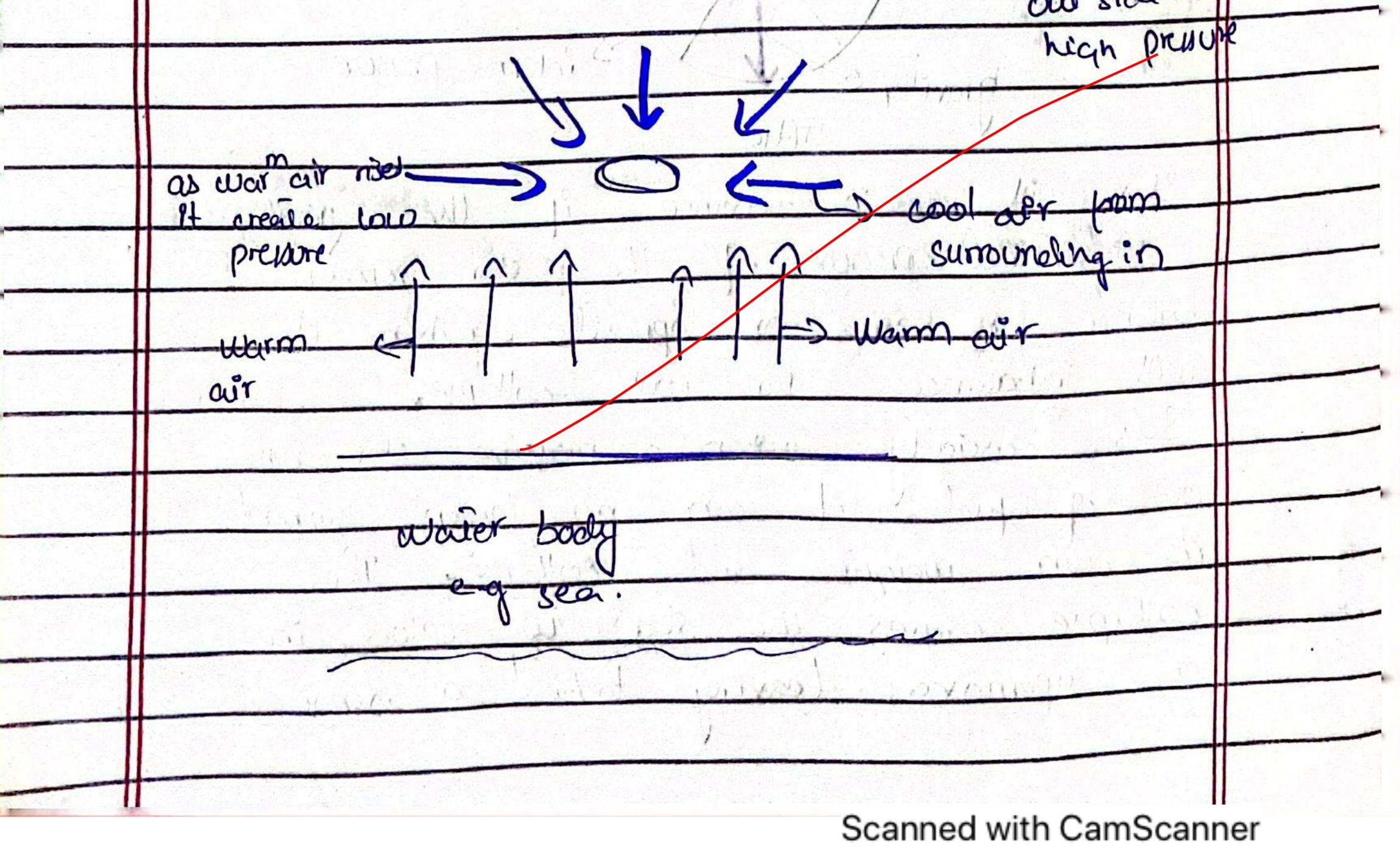
PART - TT - A hough length nprove paper presentation rite complete logic and steps in math portion a shi i (α) Black heles 1. 50% 18 Definition: dencie entreme object of an gravitation stong Pul very even Cinal liche unown Hack escape from 21 O ster. colapse also called hole Black holes Formation 0



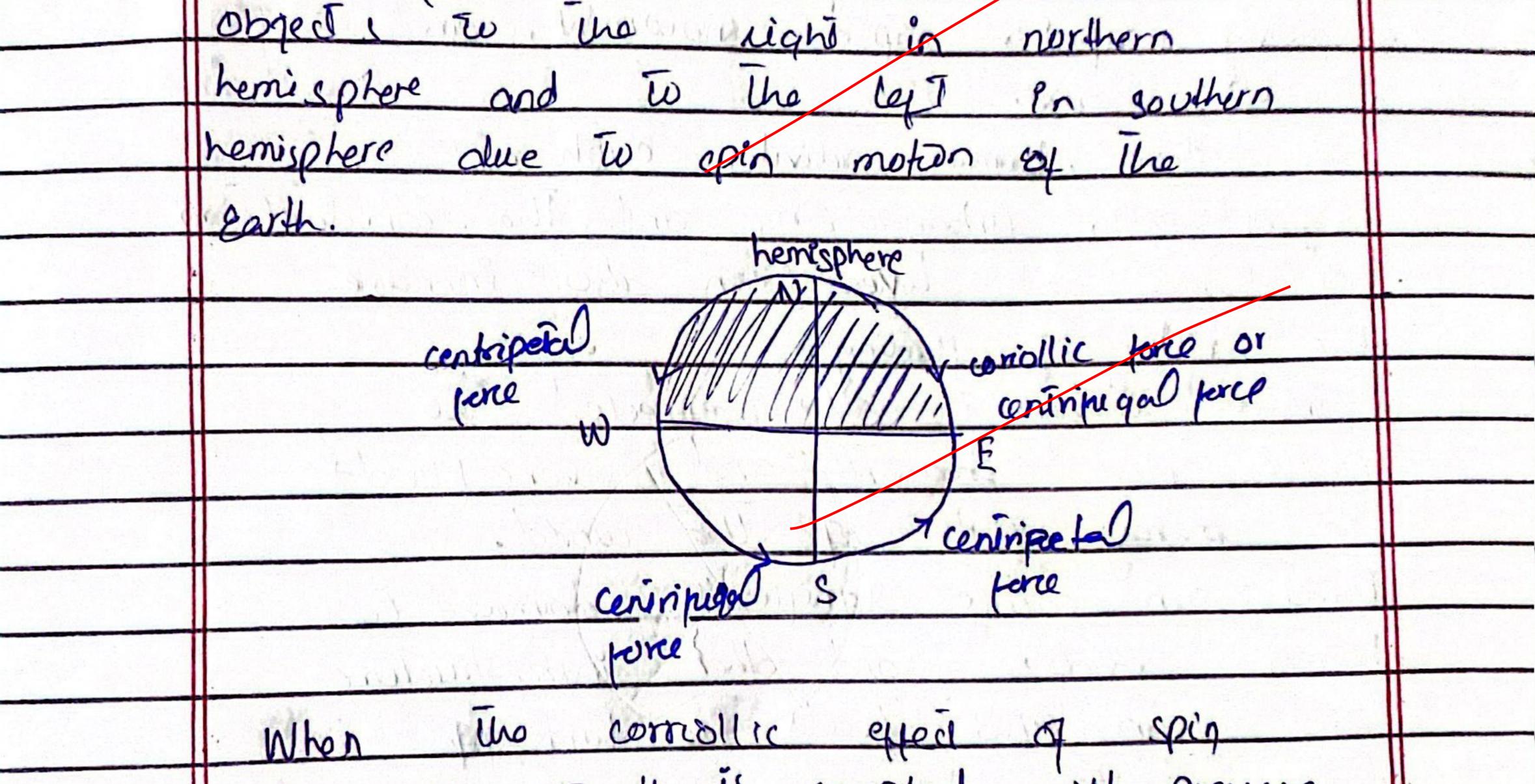
gravily Sinternal pressure STAR Ster will semein balance if the gravily of internal pressure of the star remain balance a equal or opposile, when it will impalance der will collepter Sos basially when a makine ster rom out of puel it can no longer sugart its own weight and collapse. The collapse causes the star to explode in a supernova, leaving behind a dense



unown as a new man star. is marsive core ster neetron the continue in collapse enough, it will own gravity unicil Marinin cender ils beomes a Gack hole. i still Cycloner (5) De untion what men wind COMMINS' system 6 Losiles 1 las pressure V due cere anound a and coriollies chect gradients pressure the earth unorem notion 0 coin DICKLORE cyclone. CLD Cycloney formation of due io formed Cyclone gradient and - Pressire effect. - corcollies Grochient: Presse ou side et #



formed over wenn ownight cyclones are when the temperature of when is low. The warm water evaporalles creating moist air that rises and could, poming clouds. As more warm air rises, it creates a low-pressure area that causes winds to spiral inward. These whats refate juster and juster, forming a cycline Coriollis Force force which kids 100 10 nere



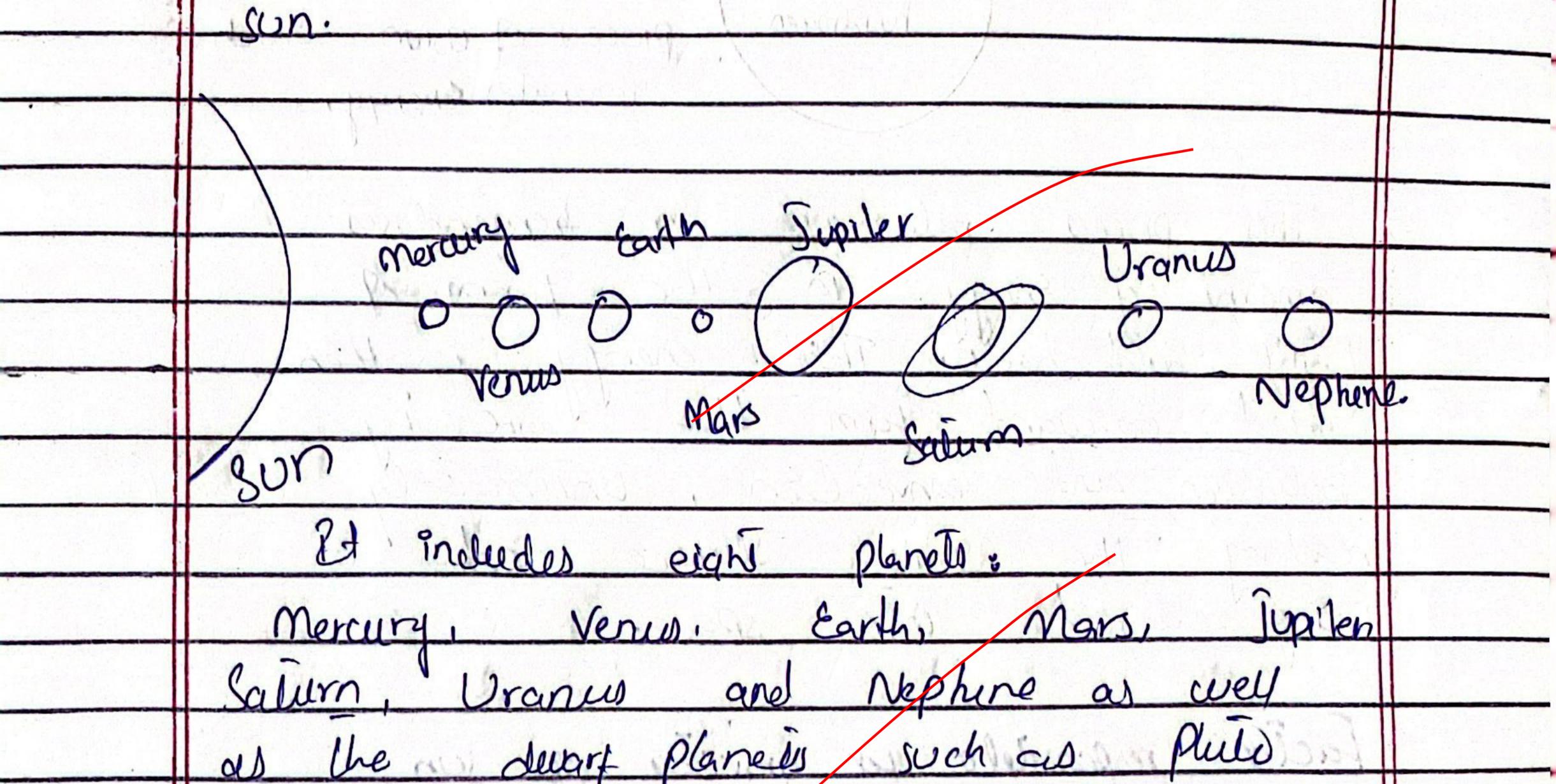
Earth is coupled with preusure motion of gradiers ther the resulting plenomeng formed as cyclone. Enample of cyclone, Currently, Palitien & suberalde is Biparpy cyclone and it continues to noves north-northwestward, The cycline 380 kms of south of harache ù Scanned with CamScanner

Lloods: Depinihan Fluds is the mest frequent type of natural disaster and occuse when overplaw they is waver submerges cisually dry, Caux Hoods There are many factors that can contribute of Underet including material couves such as heavy rainfail, rapid snowment, and couster s torns. In adition human activity such as depresation, urbanization, and the contriction of dams and larges can also increase The risk of flooding. Climate change is des expected is cause more prequent and severe flued many peop of the world. en Flods can cause significant damage to roads, and other inprastructure homes. and can also leads to los of life. is importent per individuels and communifies te talle deps te prepare for flucting and To take appropriate neasures to reduce the nik of flood demaige 1.1. 01151



1) Production of energy from sen. The sun produce energy through a process called nuclear persion. In the sun's core, hydrogen atoms are squeezed Tegether under high prisure and tenp. causing them is use não belium. rydnigen + hydnige hydrogen -> holivon = helium hydrogen procen of wind which generales energy: This releases Orocers penerdous da amount of Energy The form of in and hear. ight This everyy is then outward firm the Carried rore radiation and uneclion, unimately reaching the sin's surface and seing released the space. Factor responsible per gravily of sun The primarily gravily of the sun is due Te its sun N mary - Tho incredibly large and an dense objecti with a majs theil 330,000 fimes 1J greater than that of the Earth. Thy of mailer creates massive amount gravitatione field that pull 9 offer it's including objects buard Cho planets in our solar system. Scanned with CamScanner

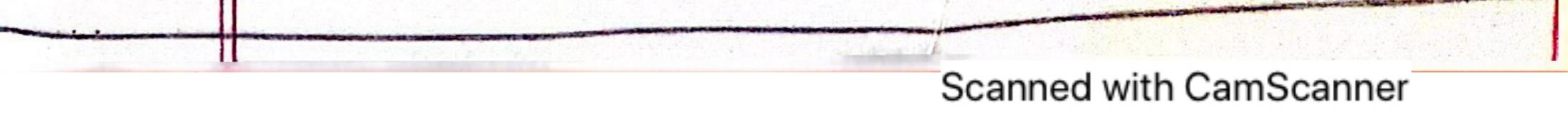
The gravily of the sun is what ueeps the planets in orbit around it and withaid it. The planels would ply of the pace. Deinikon of Edge System The collection of solar system is The plenets, news, astericts, comets and Other objects that orbit anund Uro

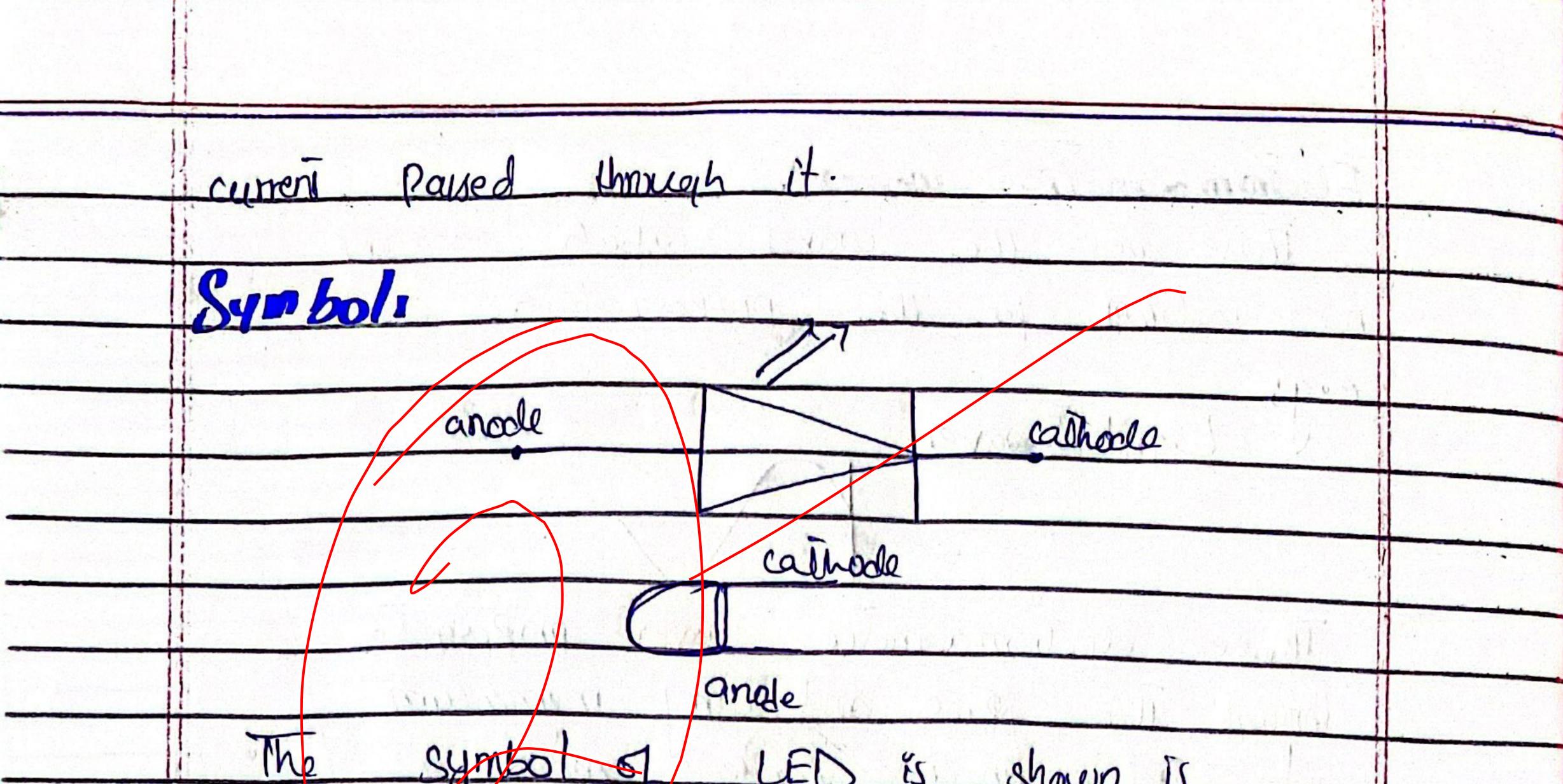


many other meller objels. and is localed in the The solar system milley way galary and it is estimated Le desil 4-6 billion years w old. Queston # Electromynelic radiction A) Electromagnetic reductions consists of rields waves of electromagnotic

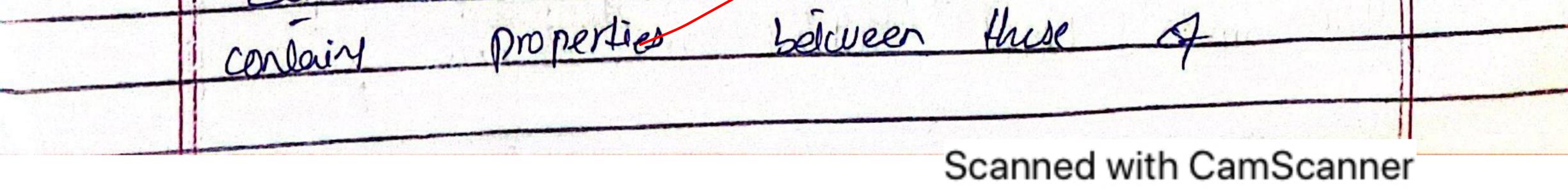


Electromagnelic wares These are the waves which require for the propagation no medrum P.04 jaht 1 coaves These electronagnetic waves propagale though The space and carry momentum and electromagnolic radient energy. holomognelic radiation Die Electroncierrolic radialios uses has many on our daily Dives. 21 is used in communication such as radio and klevision broadcasting. It is used in molical imaging such as -> K-rays and MRE lans w diagnose and treat il new. & widly used in wirely communicalion rechnologies Like . Wifi and blue hoth. These realiations areas used malustrial in -> application sich al welding heat. reservent etco 1 in These radiations are also used 3 The unithe commony to shedy verse. LED: (b) Emiliny Diode. igni chanals UY FF cleationic device is a type of 21 ight when an elicinic that omits





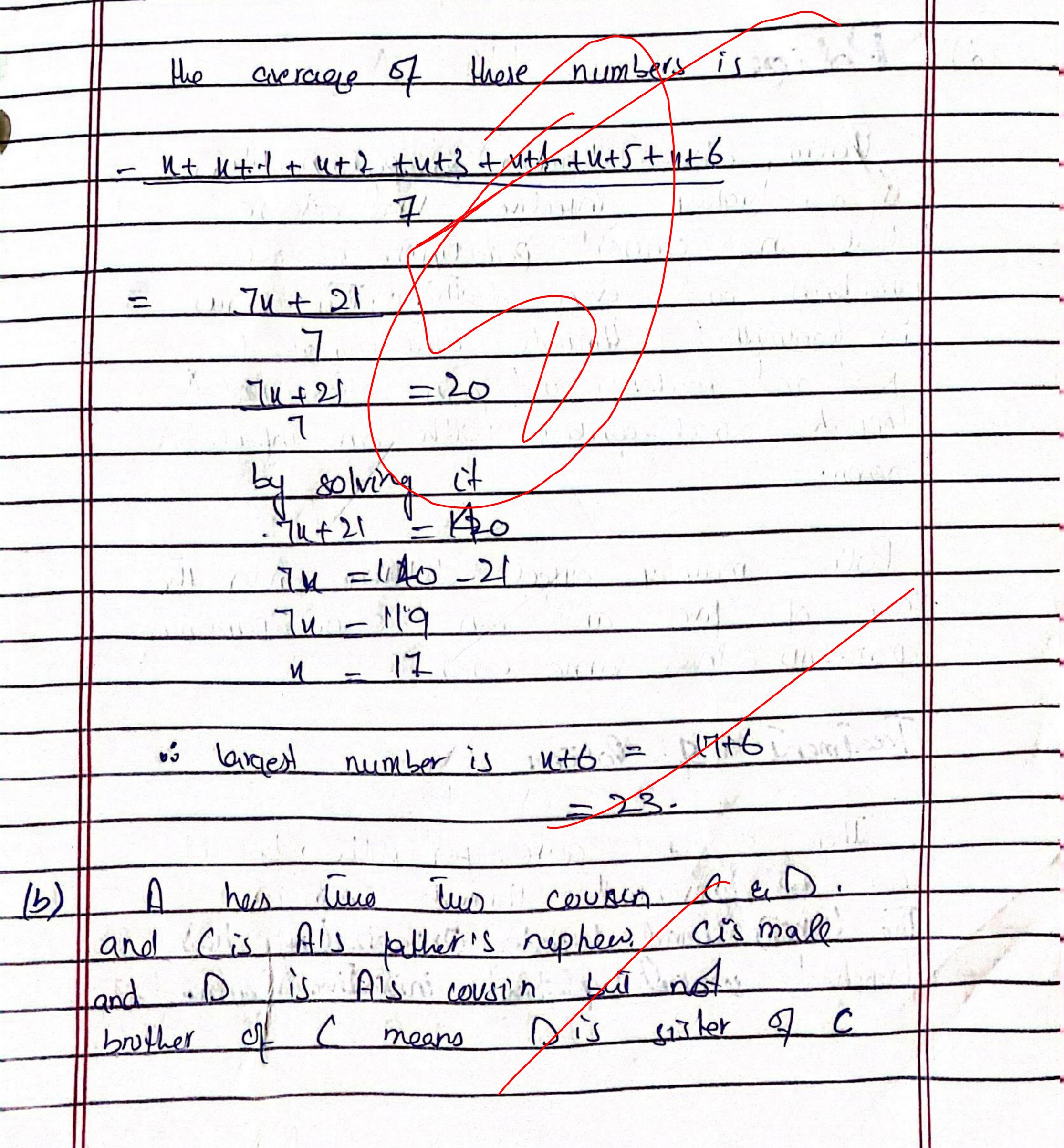
LED is shown Is diagram. The alward amus repriseri The emility light. Use q LED. LEDS are commonly used in lighting applications, such as in light bulbs traffic signals, and electronic displays. They are more energ- efficient and Conger - Lasting than baditional bulbs. LED's are a versalile and efficient technology that has many practical and creative applications. Short lesamic: îs 9 lype of ceramic Short ceramic naterial that has a hight electrical resistance and can withstand high temp. It is commonly used in electronic companent such as capacitors and noisers. Semi-Controlicari Servi- cenetucions are maierial that



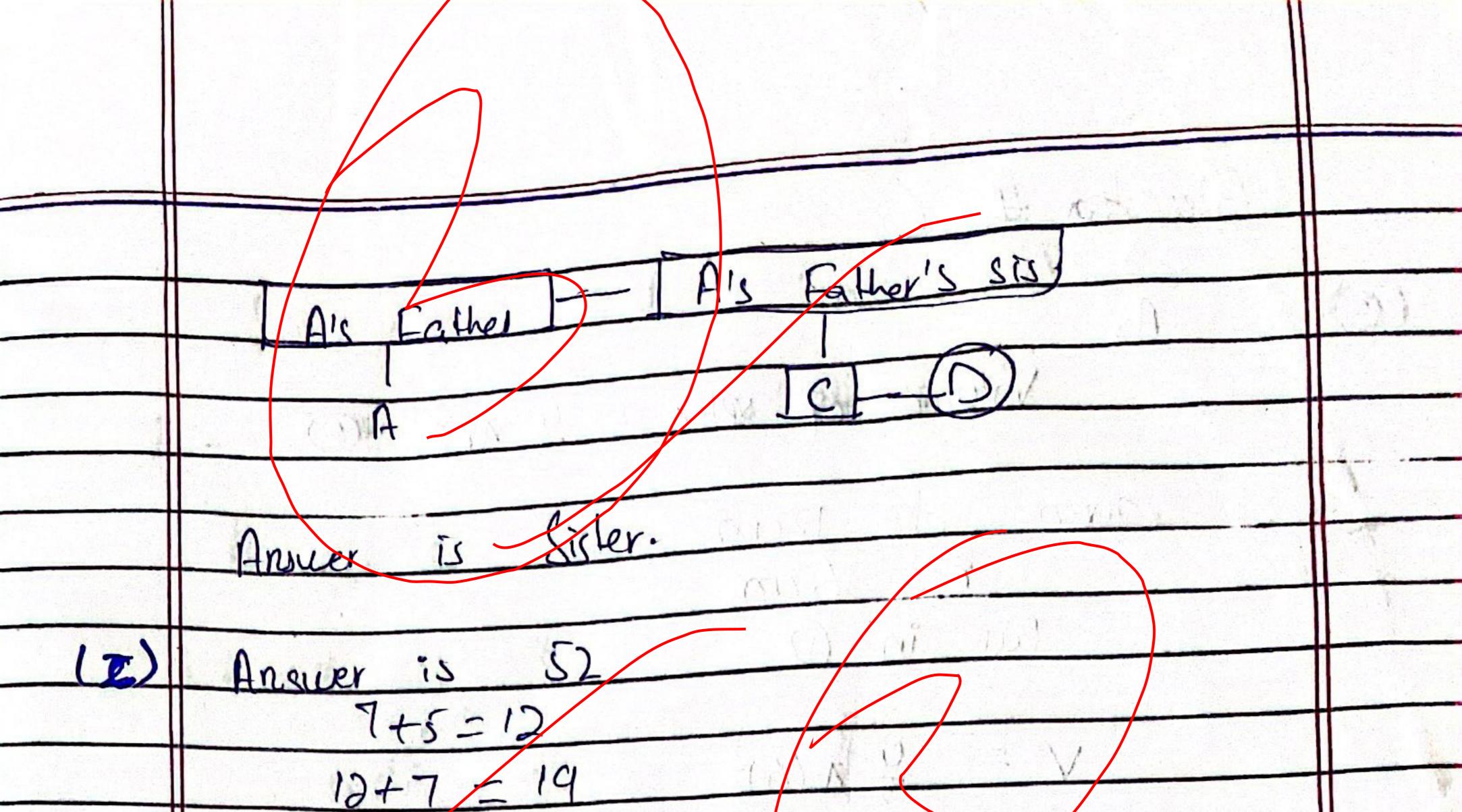
complucions and insubations. They can conduce electricity under certain condition such as when enposed to light or heart. These conducies are used in a wide range of electronic devices inducting transisters, divde and integrated circuits. Enample Silicon and germanium are enampla servi-cenducie material, 01 Polior Potio, also known as poliomyelitis. is a highly injective vow disease that can cause paralysis muscle weakness and even death. This vines is transmitted through conteminated pool and water, and can also spread though direct contact with an infacted person. mainly appell children under the Polio fire and can cause permanené age of en some cases. paralysis Treament of Polion There is no cure per polio, but it can be prevented through vaccination. The (who) world yeath Organization has Unched several global initiative aimedat



cradicaling polic, and the number of cases has decreased in runs years. R Section -Quitin #7 1 50 the smallest number let 19 according to given, new numbers will h CONTRACTOR OF CONTRACT Mtly Mt2, Mt3, x+A, MtS NtGe







19+9=28 28 + 11 = 3939 + 13 = 52(dix i)! 10 distributed Sum of money among A. B. C. B. Min The rales of F LONSOP 5:2:4:3 Lei it be A= SK B=24 mar. C=AN. €' D= 34 gire as Die

