Dos and Don'ts for Generaral Science & Ability Paper Hittmesel volgiere up Ability Paper acquiring to what's ask waanother. There are a few things I Rediscillest Forebuilden. Of (a)at least 2 and at supart kequares 1. A 5 m 3 stores of have percendence bat there can due to have percendence bat there can 'OTRE fore percendence and there Shell an attractive markstare divided ac all grather this and ar attractive minutes to some one guestion and about 8 minutes per 5 mark Bank Manage your tim according our need to understand that your paper is theoretical. So, add flowcharts and diagrams mere required sharing of and our handwriting and heatness can be really impactful. Avoid etting and overwriting. valent bona m grand your grammar. no deduction in marks Here, in Gmoleattes Il definitely create an but your expression w type chomical is portion give explanation for bond Sharine analytical ability question intwords. You need to understand that as many party advires all steps written and explained Good luck for CSS 2025. You're gonna rock in **CS** CamScanner sha Allah. :)

Water - an example of polar covalent bond. In the molecule of water [H10], the two hydrogen atoms are not evenly distributed around the oxygen atom. The unequal staring of electrons between atoms of and the un symmetrical shape of molecules, show the polarity of water. b., H20 has two poles - a polarie charge on hydrogen atom and a negative charge on oxygen atom. It indicates that waer molecule is an electricall polar, having 104.3°C angle. 104°C H H. 3(b) Doping. Doping is basically the addition of small impurities in a semi-conductor to m increase its conductivity. There are two ways through which doping occurs.



(is n-type doping. This type of doping occurs in atoms have 5-electrons in a valence shell. For example, phosphorous atom. Four electrons combine with sillicon atom while, the fifth one is freely moved serve as charge career. Unis pree electron require less energy from to be lifted from valence band to the conduction band. n-type doping (ii) p-type doping. Contrary to n-type, here 3-valent dopant effect can Catch an additional outer electron, thus leaving a hole in valence band op Aillicon atoms. Therefore, electron in valence band become mobile the holes move in apposite direction to electrons movement. Here 11 energy is needed to vaise a valence electron of



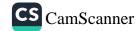
sellicon to conduction band nere p-type wpig. nole. reated Different Types of Ceramics. There are various classification of ceramics from traditional to advance level. us Classification on the basis of composition. Ceramics here classified into three distint catagories. Oxides. $|\alpha\rangle$ These are made from metal Oxides and non-metallics, It includes, aluminium, zirconia, iron Onides etc (b) Carbides These are made from carbon and usually used in industrial abousides and cutting tools. Borides nandes and sillicide also included in his calagory. Composites: (C) These are the combination both Oxides and non-oxides materials. These include, Fiber reinforced polymers (FRP),



and ceramic matrix composites (CMC) etc. Classification on the basis (ii) Advanced Traditional ceramas ramics nuclear ceramis Whitey res bioceramics Abrasives magnetic cement, Repractories ×. 3. (C). Merits of global warming Demerits of global warming (i) Increased Food production. Raising sea Polarice caps, and Warm environment sea level rise to is suitable for growth. Thus, it cause floods, that displacing millions can increase agricultural productivity, and boost economy. organisms.



(ii) New trade soutes Increase Water scarity. Changes in evaporation method and resources. Melling of ice can open neu sea-roides, and and participation getting access pocess due to of Hatural warm environment resources like, led to scarcity. Of water and oil, gas etc. mirease droughts. (111) Increase human Loss of biodiversity. development. High temprature Due to risks of high temprature people start rike can lead to extinction of better places, animals species. that are really Destroy human hearth. the useful for their success and development Heat shocks make people ill and (iv) Increases economy increases their Opportunities Urrough movement 10 other cities stress. High temprature pread various distases to where tourism increases, and increases their GDP 3 (d). Polio Polio is a highly infectious diseases that can



also be called as polymyelitis, caused by poliovirus. This virus spreads from person to person through direct contact and causes, paralysis. Polio has not any permenent treatment, while it can be prevented through some safety measures. glycoprotiene KNA viral. membrane. Structure of Polionisus Challanges faced in eradication of vivus in Pakistan. Following are the challanges in Pakistan to remove polio permenently: (i) Risk of Insecurity. There are several seguons i.e., northwestern parts, where healthworkers are being targetted (ii). Misconception regarding Vaccines. People have miscenderstanding which



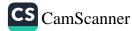
about polio-vaccines they think that it is harmful for their children, leads to failure of removing polio. (iii) Limited facilities to heartheare workers. Its removal require the facilities of health of recentles accourse, to remote areas, there are difficulties, faced by health workers. iv. Limited Resources and Funding. As a developing country, providing acress to all of the required persources, is merely a challange because for this purpose, more junds are required and Pakistan can't appord it. Question-4 (a) Liver juice "Bile." Bile is a yellowish fluid or secretion that is produced in the liver and passed to gau-bladder for the storge or for transportations into the duodenum the part of small intertine.



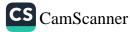
Function of Bile. Bile helps in digestion of fats in duodenum. It breaks down the fats into fatty acids, which can be taken into body by the digestive tract. Composition of Bile. Composed of acids, salt, phospholipiers, cholester, pigments and electrolyte chemicals. Bile is continuously Secreted from liver cells into bile duct and gall bladder It has pH value of about 7-8. Around 800 - 1000 me of biles are produced daily by liver. - lives gallbladder Bile (Mored in gall bladder 2



Role of Kidney in excretion 4(6) the kidney has acrucial role in excretion - the mocess of removing waste materials from the body. Kidney plays a rignificant vole in this case, which as follows: are Regulating electrolyte Filtering Hidney's Role itor Maintainig Removing acidexcessive bace fluid balance 1 Legulating Blood pressure Producing usine Maintains healthy bones Kidneys filtes the blood O remove waste products such as usea, creatine, to and other toxins to maintain body's electrolytes. They help to maintain acid-base regulation by



Elaborate through diagram of nephron exerting expressive H'-ions By controlling hormones, that help a constraion or dilatic, of abod versels, a also regulat blood precision body. n body. Unfiltered Kidney filtered blood Usine exit from here to bladder. Methods of Solid Waster Management. 4(c) Following are some methods of solid waste management. is Biogas generation An environmental solid priendly solid waste disposition of involves de composition of organic waste in a aneasobic environment. uis Waste-to-Energy Method.



this include turning solid waste into energy by means of anexobic digertion Incireration. (iii) Incineration or combustion burning of soud waste at involues Imprature. high Recycli uin It involves seperating processing and reusing material in solid waste. Définations of some terms 41d) Anaemia ()the blood disorder, in which number of red blood cells are lower than normal concentration. It is due to lack of harmoglobin. (ii) Appendicities. The inflammation of appendix, a small finger like pouch, attached to large intestine. When appendix suplare it can lead to serious complications. Spleen: It is an organ, (iii) that can man auseages



Located in the upper left region of abdomen, just below the diagphrom. It plays a vital nem blood filtering. in Myopia. It is the near-sightémess deject of eye, in which nearer Objects appears clearly, while the distant objects appears bluss due to shap of comea or lens of op. N. Isotopes Me atoms of different elements having same number of neutrons in atomic nuclei but different proton numbers. 4

