Dos and Don'ts for Generaral Science & Ability Paper re, you've do 5 2025 ell. Know that knowledge is one thing and Q# it in paper acccording to what s another There are a few things NHY a. like to highlight. to achieve toms t requires at least mend at vpziper kknow V Ma parts of auguestion and their s be t 10-or three man sare divided accordingly. So, address all bone of them in a just manne oversocuSorPtine natademe 35 finark part. Ma leminutes to se (H) an Ime bondine our paper S Scientific diagrams equired. pleit Avoid CU verwriting. on your spr ammar. re's no deducti Logelle eremit in marks but your expression will definitely create an amplact. 6. In ability portion, give explanation for analytical/ability/question in words. You need The to understand that a 5 mark part requires al steps written and explained, Good luck for CSS 2025. You're gonna rock in sha Allah. :)

This polarity give water many of its unique polarities and bilogical importance - INTRODUCTION " Poping is intentional Introduction of impurities into a material, such as semic-cond. -uctor or ceramics, to modify its electrica, optical or structural properties. In ceramics doping can enhance Their strength, toughness, conductivity a splical properties. DIFFERENT TYPES OF LERAMICS Ceramics are inorganic, non mature meterials that are typically hard will and resistant to heat, corrasion and wear. There are several Tupes of ceramics 1. OXIDE LERAMICS (e.g., alamina, zircona) 2. CARBIDE CERAMICS (eg. silicon carbide) 3 NITRID (ERAMICS (eg et ritrole) 4. GLPS CERAMET (eg pyren) 5. FERROFIELTRIC Le g. Barium titanale LERAMICS 6. ADVANCEO LEPAMUS (e.g. nono ceramic & meta-materials) - INTRODUCTION GLOBAL MARMING refers to The long term sise in The average surface temperature of Earth due to increasing

levels of greenhouse gases such as Co, & CHu in the atmosphere. These gases trap heat from the sun and prevent it from being released back into space. It has both positi & negative impacts, although the negative impacts are more significant & gor-reaching. Some of the main ments & demerits of global warming are as follow: MERITS 1- INCREASED FOR PRODUCTION : In areas, global warming lead to increased yould & agricultural productivity 2 IMPROVED ENERGY EFFICIENCI: winters can reduce energy conception associated with hat in some areas. 3 INCREASED ALLESS TO NATURAL RESOURCES Melling sea Ice angl glaciers can provide new opportunities for resource entraction & shipping routes. DEMARITSH 10 Global warming cause rising sea and coastal glooding. 2- It caused more frequent & droughts & storms 2 Loss of biodicisity & ecosystem has been disrupted a Cilobal warming caused negative impacts human health, including increased mortality

Economic costs and damage to and property seen by glabal a Displacement and a property con of populations due to climate and disasters trapped energy. Earth. ingen house gaser. freen House Effect d. INTRODUCTION : Polio (allo encour as poliomyelitis) is highly injections diseas that caused by virus theil attack the central nervous system. It has no cure but can be prevented by safe and effective vaccination. Polio is primarly spread through The gecal-oral route, whe The virus is ingested through contaminated Jood or water CHALLENGES IN ERADICATION OF POLED IN PAKESTAN In Pakistan, despe significant progress In reducing polio cases, challenges porsui in eradicating the disease. One major obstacle is inaccesibility to certain areas due to conflict & insecurity, making

difficult for health workey to reach & vaccinate childern Addionally misinformation I misconceptions about The vaccine have led to resistance & refusal by commun-ities, hindering effect to achieve gall coverage Furthermore, the entry's vast & mobile population, as well as inadequale health ingrastructure in some areas pose significant logistical hallenges. Addressing these chiefingtes is crucial to complete eradication of pla in Pakistan & achieving global pop eradication Q#4 2- BILE Also known as live juice, is a vital digestive fluid produced by the liver and stored in gallbladdy. It plays q crucial sole in The breakdown & absorption of gats & gal-soluble vitamins in The small intuitine. COMPOSITION : Bile is composed of Bix salls (bile acids and bile alcohols) notest of, Bilisubin, pho pholipids electro ytes (such as sudium potassium & chloride and 15 Ter.

Bile plays a crucial sole in the breakdown, of jab 3 gat suble vitamins in small intestine. It aids in absorption of Vitamin A, D, E & K. Bill also helps maintain 1the optimal pH for regme activity & diminates waste products like bilisubin from the live Overall, bile is essential for proper nutrient 2absorption & a healthy digestic system. b- INTRODUCTION 3 The kidneys are two bean-shaped organs located in the lower back of human body They are responsible for filtering waste & excess substances from the blood ROLE OF KIDNEY IN EXCRETION As vital part of usinary system, The redney plays a crucial role in expetions removing harmful substances from the body to maintain homeostars & overall health. The Kidney filters approximately 200 quarts of blad daily regulating electrolyte finds, and eliminating waste products like weap They also reabsorb essential mitrients like glucose amino acids & water, back into bloodstream. Kidney also help maintain aud base balance, regulate blood pressure & produce harmones that aid the RBG & Inser J He tale is 11.100-#

How KIDNEY ACHIEVE THESE PROCESS production & bore health Kidney achieve these process via: 1- Glomerular filterations Blood is futered brogs try capillaries in g'omeruli. 2. Tublar Reabsorption 2 Essential substance are reabsorbed back into blood stream Add diagram of nephron 3. Tubular Secretion: haste substance are seisted into using. 6. Urice Formation. The filtered waste & excess substances form wine, which is excreted from The C. INTRODUCTION: Solid waste management is the process of collecting, treating and disposing of solid coste in a manner that minimized the impact on the environment, public health & aesthetics. Solid pasce include hawhold trash, commercial, industrial & institutional wastes. METHODS OF SWM : Add diagrams Thats of SWM Include 1- Landfilling: Busia of vaste in a controlled environment, after with linear Systen to prevent leavage

Incineration : Burning of waste to produce energy, such as electricity or heat. new products, reducing a noved un material Comp siting: Biologica decomposition of organic waste into nutrient such jestilizer. Maste to nergy (INTE): Converting waste energy using various technologies la gastfication, pyrolysis or plasma are treatement. D- ANEMEA : A medical condition where the body has lower the normal number of Bis or RBCs have lower hemoglobin, leading to inadequate oxygen delivery to the body tissues. APPENDICITIS: a small organ attached the appendix, intestine, which can cause severe abdominal pain, nausea & gever. Il often require suggical treatement to remove appendix

