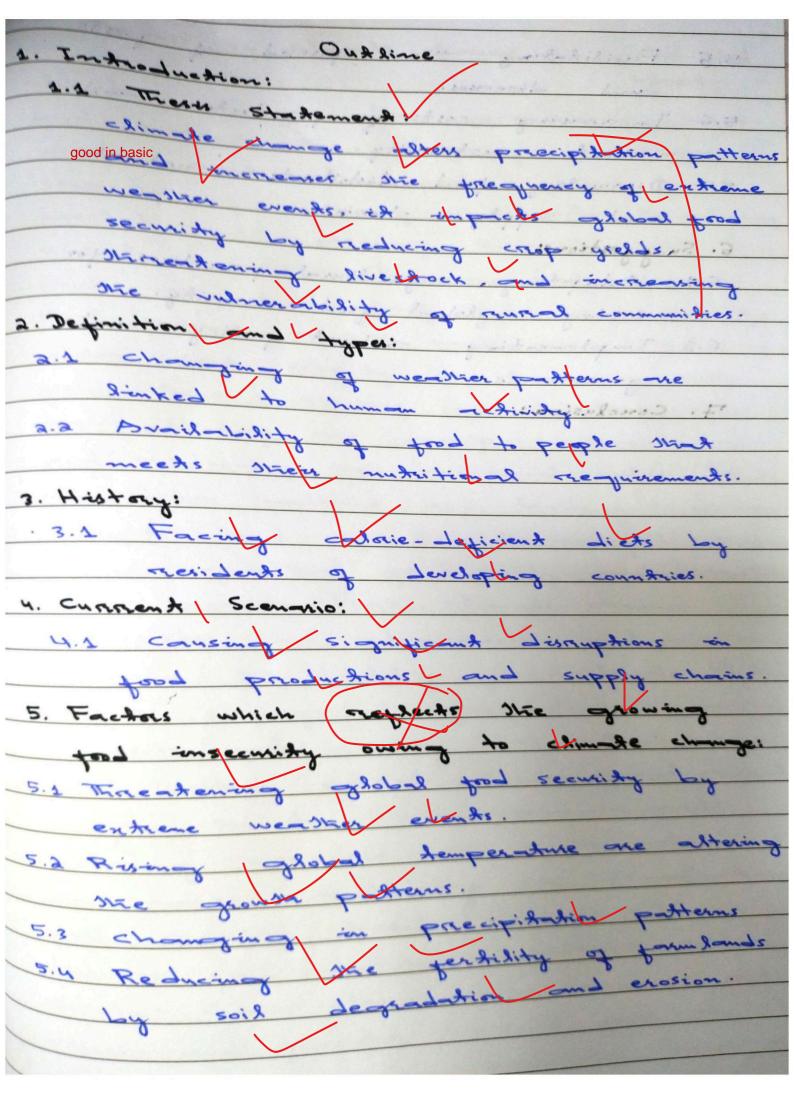
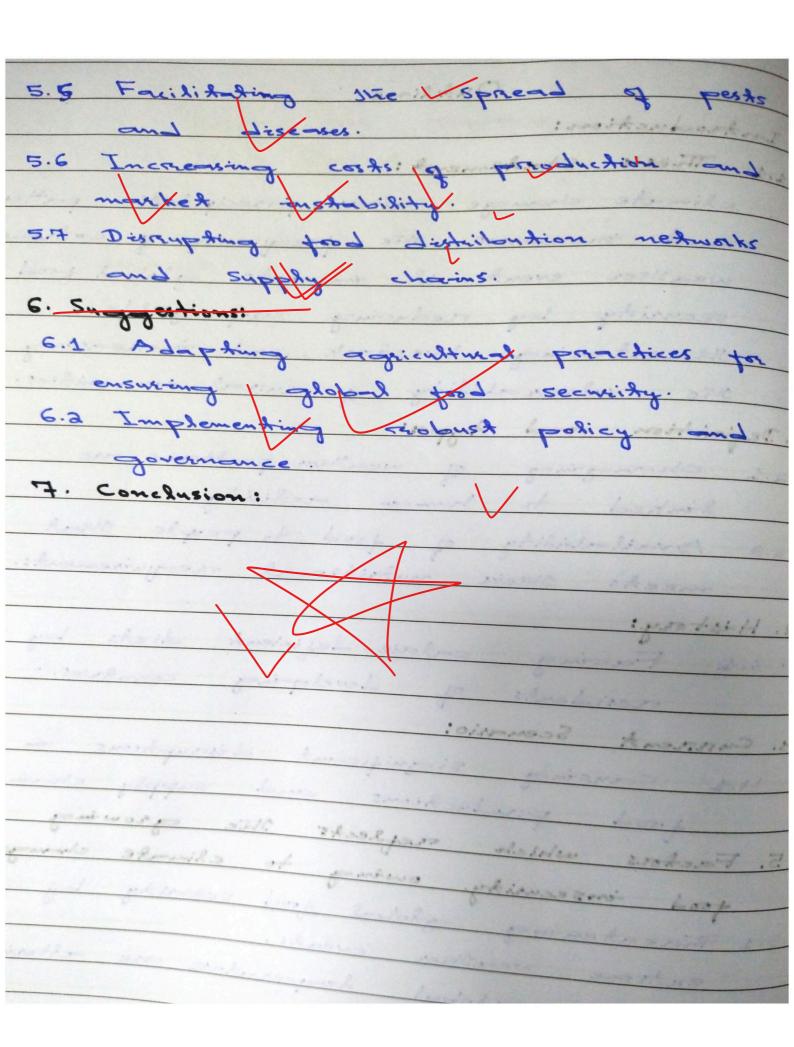
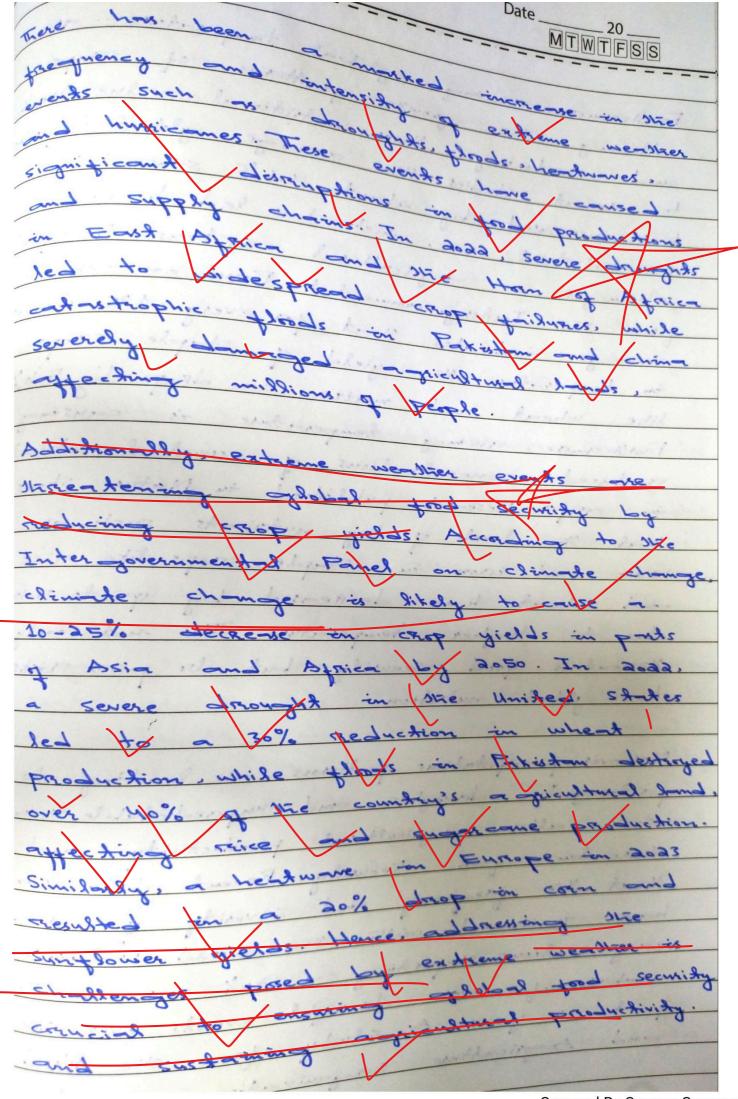
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The impact of climate change on global food chimite chips afters parcipilation patterns size they menty of extreme events. it impacts global you by appreciate correct communities. The partians we heading to prolinged dranghts and unppedichable trainfall agricultural paraductivity and security. Fourth, chimate che Hegrandation . of site testility of town chimate change is facilitating of pests and disenses shart and livestock posing a to food security. Sinth economic including increased costs of production and market instability one exaces bating food security. Sevents. chima disrupts food distribution metworks and Supply thains leading to maneared food Prices and reduced access of food Wherable regions. By examining the various of change and stress

implications for food security, this highlights, the criffical importance strese challenges to ensure a sustainable and resilient global tood system to future generations. Chamble avoid repetition of ideas weather strat can be linked, directly or indirectly to homen activity start change The composition of the atmosphere around the world. Food security means a geography area where every person is meeting its nytritional requirements at all the time. Availability of tood to people should be according to tood preference of the people and considers all economid perspective. After the world food summit in 1996, when entergovernmental parties agreed to cut in half the number of hungry people in the world by 2015, food security has become a global ionne for policymaters. About 815 million people in developing economies mostly from south Asia and countries the facing colorie. Deficient diet According to Grabbal Report on Food Crise restingted that about 124 million people por entre one facing worse food insecurity became of conflicts and severe



Furthermore, rising global temperature are aftering the growth patterns and reducing their muhistiment to redent studies, the average global temperal has increased by about 1.1°C since pre-industrial era, which has led to noticeally mges for agricultural systems. A report by Infergovernmental Panel for climate andicates sight for every toc in temperature, size yield of staple and maize can drop by 5-10%. comman over basic language is fine Tismy temper time reduced contentions of essen in crops. Research published in levels of key nutrients such as Erron in Staple crops like mice have decreased by up to 5-10% higher temperature. This not only sty renters food security but also poses tracks to global nutrition Moreover, precipitations patterns are leading to produced from the and unpredictable maintal which after fragricultural presiductivity and strangenten tod Security. Recent dat frequency and severity of droughts have incremed, with the wald meteorological organizations troporting a lack rise in the severe dranght events lover the push 50 years. A strady from file withwell Ore ganication indicates ØTICK®

In addition to 11= the fertility of formilands. The Inter Panel on climate change has report 30% increuse in Soil erosion regions due to climatic alterations. The Oregonization released a dod's report showing Mant approximately 35% corrently degraded, with Productivity Decline soil structure fin pose a significant Egicultural systems and global food sypphies

Fuellsermore, climate change is facilitating to sprand of posts and disenses stand officery soment to food security. According to the Food and Agriculture on Jamiz thion, coop love due to pests and disenses me estimated to sivelihood of over \$5 Lillion people who down on agriculture a 2023 report by the Intergovernmental Finel on climate change indicated shot each degree colsius incheque in temperature could lead to 1/10-25% In Africa alone, sice spread of the fall - my worm is estimated to cause economic losses of 9.4 billion dollars annually, affecting Stople crops like moire, sorghum, and millet - 2024 report by the world book forecasts start 1 2050, stre commic losses from climate - related agricultural pests and disenses could exceed alo billion dollars globilly In addition to sais, economic impacts including increased costs of production and muchet instability the executoring food security. Recent data from the Food and Agriculture Origanization indicates start stee world food prince index more by 3.2% year -over-year as of july 2024 exacerbating the cost pressures on producers and consumers. The wald

Bowk reports that the global cost of agricultural impats such as fertilizers has post year du state 808 william people globally aric of escalating production costs eility poses a sever support for the agricultural Moreover, chimate change discupts food Lister bytion networks and supply chains leading to torenewed food praices reduced access at febg eme , we we steel thoods , droughts and storms more frequent and sever damage to transportation infrastructure and crop yeelds. In 2023, severe flooding in not thern India coursed com loves estimated at 30/310%, justice. straining chimple change local food supply chain direct to affect food preoduction and The number of people experiencing ingthy time is expected highlighting the wagent need for adaptive d Probust tod Supply chains mess impacts. strate jes

Adapting agricultural preactices to the charge chimate is crucial for ensuring ghobel food security in the enveronmental challenges. As exte events become more common, tra methods me bythen foredequate The Horn of Africa have led to a 30% Lecline in maize yillds, Lengusterting the top drought - nests timb crops efficient firsignition techniques. By implement practices such conservation agriculture and precision agrifultural productivity could by 2050/ According to the I Fund for Agricultural Development. Robust policy and governance are key to ensuring global food security amidst the challenger of climate change. Groverments should dovelop integrated policies strat promote sustainable agricultural practices, support smallholder farmers with resources and infrastructure, and enhance market access. International cooperation is essential to share best preactices | and strong than global food systems. Inchuse policies start bur lesitimmes basilent promissions emphasize transportency and accountability com disive innovation and investment in chimmle - Emont agriculture. By Focusion stress areas, policymakers com MTICK.

