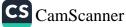
Date: Day: Hina Ashrac Well attempted Keep practicing on different lopic: themes/topics to bring further Jater Crisis in Pakistan Causes and Impacts Jutline (1) Introduction ? (i) Hook (ii) General statement (in) Thesis Statement (2) Causes of Water Cress: (a) Rise in temperature (b) Changing precipitation potterns (C) Melting Glackers (B) Over population (a) Water shootage (b)-Water pollution (c) water destribution issues



Datz\_ Dar --(C) Lack of Ingrastructure: a Insufficient dams and RESORVOPUS (b) Inadequate waste-water treatment 10 Poor water distribution networks. (D) Traditional Agriculture: Practicess (a) Flood irrigation (b) Crop selection (c) Lack of Crop rotation (3) Impacts of Water Crisis: (A) Impacts on Agricultures (a) Reduced Crop yelds (b) Food Insecurity (C) Socro-economic deprivation (B) Impacts on Economy: (B) Reduced GDP growth (B) Inclation (C) Unemployment



Date Dav (C) Social Impacts (a) Runal - Urban migration (b) Increased internal displacements (C) Social Univert (D) Impacts on Health (a) water borne diseases (b) Malnutsition (c) Mental health issue Conclusion: Add recommendations in every problem based topic, whether they have been asked or not



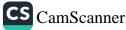
Day: -Date: . The Essay: As the last drop of water evapoint es, Pakistan's future hangs in balance threatening the very survival of its 22.5 million population, with almast Only 30 days of water storage capa city. Pakistan teeters on the edge of , affecting Water scarcity catastrophic 92 pescent of its agricultural land Water Crisis is neither a new ISSI it is a fully settled one Manu nor countries que facing this Crisison Pakistan is uncostangitely. one them. The main causes Water Crisis q in Pakistan are climate change, over population, lack of infrastructure, tradi agricultural practice and water disputer These causes pose serious imp on Pakistan's agriculture, econom acts social structure and health people The country's water availabi is decreasing at an alarming Unless all these rauses rate axe



Day: -Date: properly the advesse impad addressed or water Crisis be duced Can not change First comes the climate which is one of the main causes water crisis in Pakiston. Hverage or Pakistan has increased temperature since 1960 with pro Dis jections 1.8-38 Curther indicating a by 2050 his Warming tsend int water scarcity affecting ensicies percent of Pakistan's agricu ltyral land. This Sise temperature billed to in changing precipitation pattern which the ultimately results more cloods and in 2022 catastrophic floods hit In drought. the country due to sise in temper More than one third of the ature Was under Water The climate Country minister sherry Rehman received it as the Worst ever disaster, in her woods, this has exceeded every bo-Seen undary, every norm we have ia This catastrophic floor the past



Day: \_ Date: désplaced 33 million people. he flooding took a huge toll on Pakistan's infras damaging half toucture, severely all water facilities in the worst hit areas of Pakistan that resulted less in presh-water availability to the affect population. Not only the changing of precipitation patterns but also the melting of gladiers is due to temperature Melting of hima vise in byon glaciers is Scarcity Causing presh - water availability affecting agriculture and other sectors Due to flooding the capacity well. of dams and water resorvoir systems reduced which leads to Wastage of Water Himalayan glaciers source of water are a billions of people living around. But the sise in temperature particularly Pakistan is adversely affecting natural source of water. Because any effective Pakiston does not have method to stoke this water



Day: -Date:\_ the loss of water occurs which lated becomes the cause Water OC in the country. Hence, climate scarcity change is adversely affecting the The vole water bodies in Pakistan of the developed countries in saising temperature of Pakistan can not be ignored However, Pakistan is racing the consequences of the problems caused by other countries. Second comes over. population, which has severely appected the capacity of the country to the security of water for future ensure generations badly, Pakistan's population is uncontrollable rate, Which increasing at an a great cause of concern for the country. is According to Pakistan Bureau of statistics, the Population of the country has seached 241.49 million. It has increased from 207.00 to 241.49 million in 2023 million in 2017 at a growth rate of 2.55 percent. At this sate Pakistan's population is expected



Date:\_ Day: \_ to double by 2050 With increase the needs number of people and demands also increase Overpopulation is significant cause of water shostages country. The vast majority of Pakis in are dependent surcace and tanis on und-Water Sources from a single source basin. Pakistan's maximum River the indus storage capacity is limitted 30-day supply, to Water availability per person is declining leading country towards an yeor, by inmanageable water Crisis. Due to overpopulation water pollution is also increas use of chemicals in Washing cleaning and other domestic choses is day, which increasing day is polluting Improper sonitation systems Exests water and Water management POOS Waste are scarce for drinking making. Cresh Water According to a study conducted purpose Azizullah et al, in 2011, Out of 122 COUN toies, Pakistan ranks Both for drinking availability, which is Water quite



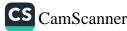
Day: \_ Date: The increase in water pollution is causi ng high levels of phosphosous eutrophic cation in the water, which makes it diggi cutt to capill the demands of doinking water Because the growth of algal blooms on the surface Nover rende vs it contaminated and unsuitable for drinking purposes. Moreover, the use of pesticides also Surge is in contributing to water pollution. Due to sise in population equal distribution has become a of water serious issue in the country karachi is the most populated city of Pakistan. facing water seasonity According to water expert, invited by Engra Expert foundation, Karachi is facing a huge shostage of water, with citizens seei a huge change in the last 10 to 20 years where water used to be Cree hours' day, now water only 24 comes in small quantities for 30 minutes a day other provinces like Balochistan facing Severe water shortage



Day: . Date: to its increased population and unequal inus overpopulation is Water of water prominent ause crisis in Pakistan lhird comes the lack of infrastructure such as insufficient dams and resorvoir inadequate waste-water treatment and water distribution networks are terrible wat leading Pakistan towards a er crisis due to lack of dams and sesosvoirs it becomes difficult to store water dusing moon soon season. Heavy Sain calls causes heavy flooding which ulti mately damages lives, property and livelihood of people. Existan has only water, which 18 dams to store is insult to deal with the growing needs icient of citizens the to the lack of dams, annually 20 million are seet of water goes wasted in the country. The flow of Siver water is 145 million acre feet and only 13 percent of it is stored. Inad. equate waste-water tocatment also dwind



Day: \_ Date:. ng the availability of fresh water focoeding to an article by institute for Educational Development, Pakistan, currently Pakistan is able to treat only spercent of its wastewater, far from its commitment under the systemable development goals (SDGs) to treat up to sepercent of its waste water. The capid urbanization of cities without cossesponding improvements in infrastructure to collect and treat wastewater leads to poor water and sanitation Mose over, the water distribution networks are poor, making drin King water contaminated which results in diseases outbreaks in order to keep up with the demand, water supply system. recognive periodic inspections, maintainance and repaire in urban areas of Pakistan, about 43 percent of the population cles not have access to safety managed water. highlighted by Pakistan institute of Develop ment Economics Consequently, lock of infrastructure is posing a challenge to the availability of clean and adequate Water. Supply



Date:\_\_\_\_ Dag: -Fourth comes the traditional agricultural practices such as flood irrigation, coop selection and lack of crop rotation are causing severe Water scarcity in Pakistan. Agriculture the mainstay or Pakistan's is accounts for 23 percent economy LT and together with agro-based the 80 percent ducts setches or the Country eornings. So major portion total PXDOXt in agriculture. used Water is According to Water Resource and Industry Pakistan consumes 98 percent agriculture in available water lube-well irrigation is Pakistan, espacially in accos in widely used shortage of where surface there is a out-dated irrigation Ihis tupe or method sesults huge quantity in 1055 10 of causing Waterlogging, seepage and depletion of ground water Fusther more selecting the sight crop for the given soi conditions and climate, one can optimize yiel and save water requirements for Plageton. But a lack of knowledge and these skills is



Day: \_ Date: farmers due to which failure in select in favourable crop results in huge a water losses in Pakistan. By rotating crops preservation of soil minerals and of soil can be enhanced. productivity In Pakistan there is a lack of away eness about crop rotation. Lack of crop diversignation results in soil degradation increduced water demands, and reduced water retention By cultivating the same coop seperatedly water consumption in irrigation inc beares, which further diminishes the stored amount of water Hence, traditional agr cultural practices has arrected Severely Pakistan Water resources in of water crisis in Jesult Hs a the country various sectors have baothy. been suffering the of impacts Pakistan's agricultuse Water Crisis On health cannot Society economy and be ignored Water wisis is the most critical our life-time and resource or issue our children's lifetime. is impostant to



Day: -Date: investigate the impacts of the causes, Scarcin sesponsible FOX Water The impacts of water Orisis Pakistan. explaned Pakistan are in the pavagraphi following Hiculture is one of the most affected due to water crisis in the axeas country. Lack of rain over a long time affects water availab or peniods for crops which ultimately in reduced production of crops Sesults Because in dry weather sivers do not have enough water to irrigate all the cields on time as a result crop produ decreases. Pakistan's cash crops, sugar ction collectively consume almost cotton, and third of its water resources. In weather it becomes difficult to ample amounts Such Supply Crops of Water These ose, decline in crops produ Occurs According to Islamabad chamb Ction er of commexce and Industry's vice President Malik Subail Hussain, agriculture



... Day: \_ Date:\_ sector is the worst-hit sector as shottage of water it α is facing So Percent at some places fedured yields result in food insecuri mod Rising temperatures and changing ation affecting patterns major crops like wheat, sice, more Sugarane and According to integrated Food Security classification, 10.5 million hase hearly levels people ware experiencing high insecurity between acute rood the most to october 2022 KPK and sindh aseas cected are, Balochistan. Livelihood of population also gets accented due to scality? this results in socio-conc the society. Majosit mic depositation in of the population in Paleistan depen agricultie for their Indoo Agriculture Drimary the SOUDCE income for 34 percent of economically active men and 74 percent OP 10 employing 25 million men Hence Deeple 11 MANARITA W 1



Day: -Date:\_ scarcity Water Impacts Socio-economic status of people legols 10 that increased UnPmployment and Dever y The second most affected area of Pakistan due to water collsis is com water shortages causes Sealuce Crop production abichis source of income aco more than so percent of the population According to Woold Bank Report, agriculture's share in GDP dropped from 38.9 percent in 1969-70 to 19.82 percent in 2015-16 Water scarcity hinders Pakistan's economic growth. According to Pakiston Buseau Statistics, agriculture contributes 24 percent of Gross Domestic Pro duct and accounts for half of emplo yest labour force and is the Dargest foreign exchange. So, in case secured cop production the economy of the country suffers the most Hs there is a lack of dams in Pakistan so ploods destroy agginutual other sources of income yields and the people Accessing to a world



Day: \_ Date: Bank's Report: the 2022 floods in Pakistan caused a significant increase in national poverty sate, The agriculture sector contracted by 0.9 percent of GDP, that led to significant job losses in Pakistan, the GDP loss due to clouds Was around 2.2 percent of FY22 the times of crisis GDR Duxing hike of commodities accuss Drice which pauses inplation unemp and Water scarcity causes increase loyment. due to reduced agriculta Drices According to Pakistan val productivity, institute of development Economics, the water Pakistan contributed Coisi's to an average inflation sate of 20 percent Pakistan Moteover, water cotsis in a Significant cause of unemployment overall Seduced GDP inclation and growth In addition to economical impact water crisis has huge impacts on society of the country. Due to unavai lability of fresh water a large number



Day: Date: of people migrate from sural areas to cities. Water stoess directly impacts human migration because it appects human livelihood and socio-econom conditions of the migrants. The lack of acess to clean water and secured agri culture productivity exacerbates migration. According to a separt given by United Nations Development Programme, 2022, 40 percent of internal migration in Pakistan is from rubal to urban areas. This secults in sise in usban population and affects over all economy of the country These is a diveneed of dam's construe and excertise separmation to counter such problems. As in 2022 destructive clouds caused type numbers of internal displace ments According to a woold bank report 2022, the floods of 2022 caused more than 8 million people to leave their houses and moved to other places those inter vally displaced people are still facing health and employment issues. Water chartage results in unequal access to



Date: Day: \_ water rescurges which leads to increased tensions between differen classes of the society as well as provinces of the country. Which is a cause of social undert The overall stability of the country of also affected in this way As we it is quite obvious in Pakerstan the issue of water distribution is still present This unequal resource distribution has become of course of contention between provinces the Balochistan, singly and Pariab. These cove, social west due to nates coisis can not be ignored The last but not the least, impacts of water crisis in Pakistan are arealing public health. Due to increasing water pollution a large number of water bosne disease occurs According to Woold Bank, poor sanitation and a lack of waste water treatment cause water home diseases that kill 40,000 children each year moreover, water stoess also causes



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health people	ens like malnutaition and
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due to wi	ates cossis leads to seduc
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	n occurs, which leads
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1	olegical problems. Stoess an
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	water afferting derily life
	roods. According to Pakistan Institu
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	y 36 percent of the popula
	y said by Audrey Mephurn,
	e, and clean water means
	oose, impacts of water scaresty
	the people of Paktstan can
not be over	100/000



Date: Day: -In a nutshell, water crisis due to climate change, over population, Lack of incrastructure and traditional agyi culture Crightening situation Pakistan. impacts of crisis on agriculture, economy and health of the people Society Pakistan are increasing day day. These is a dire need of policy making and reportmations sesolie the patastophic poblems water crisis. The impostance of water be underestimated on the is course the suprival of every living being in the woold As Thon F Kennedy sightly stated: Anyone who can solve the problems of water will be worthy of two noble prizes - one for peace and one coo science. Mence, this is the sight time people and government should work collectively to save the most coucial asset of their lives. As it is never too late to pledge for a new change, Because, where there



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