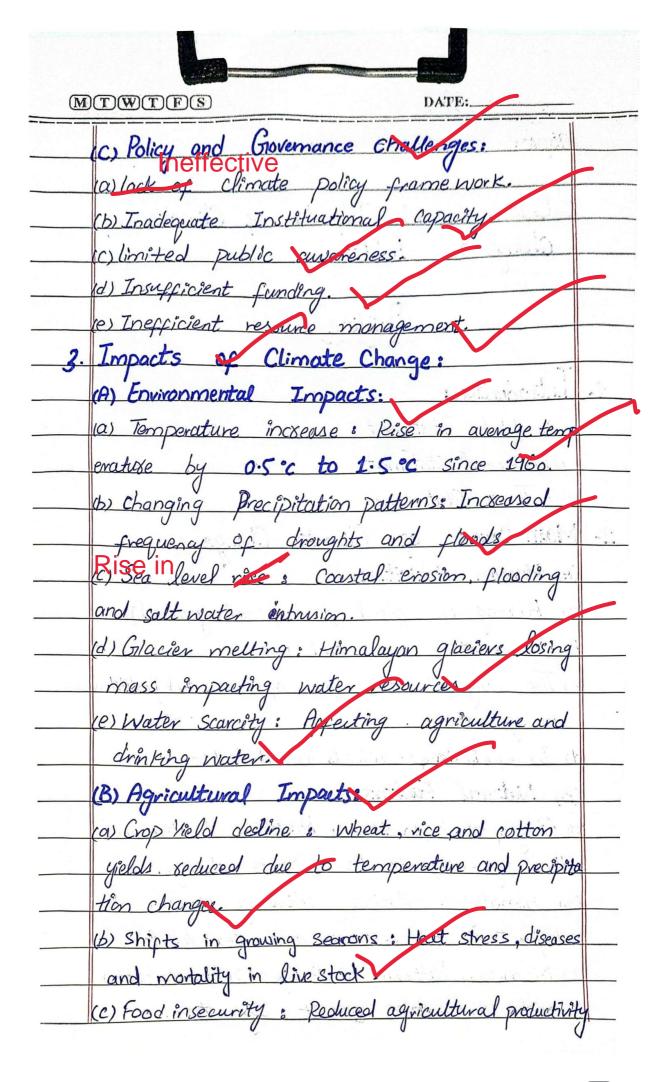
	TWTFS DATE:	
	Topic:	
		a mario de lacera
	Causes and Impacts of Climate	
	Change on Pakistan	artido promposacionos
	Outline	
	Linguistic City City of the Company	. \$
1.	Introduction:	
	(i) Hook statement.	
	(ii) Gieneral Statement.	
	(iii) Thesi's Statement.	
2-	Main Causes of Climate Change	
- 11	A) Human Activities:	
- 11	a) Burning of fossil fuels (caal fos oil)	
Q!	b) Depoxestation and land use	
C	c) The Surge in the use of chemical festilizers	
	in agriculture.	
C	d) Increase in Used chemicals in domestic.	
- 11	(B) Natural Factors:	
11	a) Geographical Isoation: Pakistan's location in	
- 11	the region prone to climate change.	
- 11	b) Himalayan Glaciers: Melting glaciers	
	impacts water resources and sea levels	
1	c) Moonsoon Patterns : changes in precipitation	



TWTFS	n	ATE:	
exacerbates food shor	tagos		
(C) Social and Econ		it:	
(a) Human migration:	,		-
and rural-urbah	migration.	Vi Trong	
(b) Health impacts & In		- related illne	288
Water-borne diseases			
(c) Francomie losses : Est	imated annue	I losses of	3
3-4% of GDP de	re to clime	ute change.	.1
rds Poverty and inequali			
existing social and			
(D) Impacts on Hum			vct
ure:	7. W.	a decina in	4.4.
(a) Flooding and landsla	ding & Dan	rege to infrastru	ichoe,
homes and livelihood	0	History is one	3
(b) Water logging and	Salination s	Soil degradation	
and seduced agri	cultural p	roductivity.	337
(C) Coastal-Fresion:	loss of coast	al infrastruction	øė,
habitats and b		sharast -	
Conclusion:	0	ech is his	32
	noct mone	turne to ad	droce
	gest meas	cures to ad	uiles:
	. 15. 2 1s.	,	0.3
Marie La Verdar Variable (1996)			C. C.
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अंदर्भ के कर अर्था रेडिया है।	ots artenight L	was a strain of the	-

DATE:____

The Essay:	
Think about how the weather has chang	
ed over the years. Has the weather gradually turn	
ed warmer? or colder? Perhaps, there are nother	
summer temperatures or more snowfall These	
are all caused directly by climate change the	
planet's average surface temperature has sizen	
by two degrees fahrenheit Since 1900. This change	
is unrivaled by any others in recorded or estimated	
history. Climate Change is neithera issue nox	
It is a fully settled one seveloped countries	
are dealing with it. Whereas, underdeveloped	
Patistan is one of them. The main causes behind	
the climate change are human activities, such	
as busing fossil fuels, deforestation and	
land use, the surge in the use of chemicals	
in domestic and agriculture. Natural paetoss	
such as geography, melting of Himaloyan gla	16
ciers and moon soon patterns. Policy and Gover	
nance challenges, These causes impact Patistan	
on environmental level, agricultural level, social	
and economic level and also impacts human	
Settlements and infrastructure. Unless these cause are	

properly the impacts of climate. change cannot be seduced. The Framework convention on climate Change UNFOCK in its Article 1, defines climate Change A Change of Climate which is attributed directly or indirectly to human activity that alters the composition of the global atmosphere and which is in addition to natural climate you ability observed over comparable time periods. Human activities are the major cause of climate change the foremost cause is burning fossil fuel (coal, oil, gas his has increased the concentration of conton dioxide in the atmosphere. The reliance on possilfuels such as coal, oil and natural gos for energy gene xation, transportation and industrial process releases massive amounts of carbon dioxide, methane and nitrous oxide into the atmosphere Kakistan's energy sector, which is predominantly fueled by fossil fuels, emits over 40% of the country's total green howe gas emissions thitionally, the transportation set or, dominated by gasaline and diesel powered rehicles contributes another 15%. The burning of fossil fuels not only exacerbates climate change but also deteriorates air quality, posing serious health visks to Pakistan's population. The second

Date cause is deforestation and land use reposestation is the second leading cause of global worning and produces 24% of global greenhouse gas emission scientists say that deforestation in tropical rainfact adds more carbon clioxide to the atmosphere than the sum total of all the cars and the worlds road Pakistan, 20% of the greenhouse gas emissions is from depoxestation and land degradation Pakistan's coxest cover has reduced from 14% in 1990 to a mere 5% today me clearance of forests for agriculture, urbanization and logging releases carbon stored in trees and decreases the ability of faxests to act couston sinks Pakistan's National Forest Policy aims to increase forest cover to 20%; by 2003, but implementation remains a challenge The surge in the use of chemical festilizers in agriculture is the third contributing factor to climatechange. The high rate of application of nitrogen sich fextilizers has effects on heat storage of Cropland (nitrogen oxides have 300 times more heat trapping capacity per unit of volume than carbon dinvide) and the run-off of excess so tilizers executes dead-zones in our oceans addition to these effects, the Indus Basin Pakistan's bread basket, is particularly rulnerable

Date due to intensive agriculture practice the increase in the use of chemicals in domestic is the fourth main cause of climate-change to human activities household cleaning products, pesticides, and personal care items contain hour xelease Volatile organic comp ful chemicals that ounds (vos) and greenholde gaseson, contributing to air pollution and global warming eccording Pakistan Buxeau of Statistics (2022) Household Survey 701. of Paristani use chemical cleaning agents Hence, theman activities such as burning fosil fuels, depoxestation and land use, the surge in the use of chemical in fextilizers and in domestic play crucial role in climate change Natural factor also play a significant prote in climate-change in Pakistan & The goographical Vocation of Pakistan is one of the main causes of climate change Pokistan in the region which is prone to climat-change The indian ocean dipole (TOD) and FINENO-Southern Oscillation (ENSO) phenomena impact climate, influencing precipitation patterns and temperation fluctuation Additionally, the Himal mountains sanger glaciers melting impacts resources and sea levels. According to International centre for Integrated Mountain

Developme	nt (ICIMOD). (2019) Himalayan mountain
Xange's 02	sography has 30% influence on segional
	Moseover, moonsoon patterns in Palcisto
	tribute to climate change Intensifie
	ns sesult in frequent and intense
	ves, heavy sainfall and clash cloods
	n patterns also influence temperatu
	ions, impacting agriculture According
	stan meterological Department (2000)
	m winds contribute 70%, of Pakistern's
	Decemporation that has direct effect
	iculties. While natural pactors are
	human control, understanding their
(/	is oscial for developing effective
climate	adaptation and mitigation strategies.
Last but	- not the least policy and governan
challenge	
change "	n Pokistan me of the main causes
is lack	of climate policy framework Inde
quate les	gistation: weak raws and regulations s
to address	climate change comprehensively. Pokisto
	5th globally in climate policy pexforme
	lack of interministerial coordination and
	ent provincial and wood government
, ,	ent pe strong policy prame nook poo

	oxder to deal with the climate change to	
	Pakistan an effective policy framework is	
	the need of the hour Inadoquate institution	cd
	capacity is another cause of climate	
	change in pa Pakiston which highlights	
	a sexious policy and governmence challeng	
	to climate change The ministry of climate	
	change, established in 2017, Struggles to	
	coordinate climate - related activities ocross	
	various ministries and departments local	
	governments lack the capacity to implement	
	climate-sesilient inprastruture projects, and	
	Provincial authorities often overlap or contradict	
	federal policies kimited public awasness about	
	climate-change and its impacts significantly	(1
	contributes to Pakistan's vulnerability Almost.	
	70% of Pakistanis lack basic understanding	9
	of climate change causes and consequences	
	The knowledge gap is she to inadequate	
	education, limited medica coverage and insuff	icent
	out seach programmes Further more, Paristan	
	climate institutions suffer from insufficient fund	
	Insufficient financial resources hinders the imple.	
	mentation of climate -xesilient infrastructure pr	11
	jects, senewable energy initiatives and climate	
(

	change adaptation programs. The national budget
	allocated so climate-change initiatives is
	0.5%. This funding shootfall foxes Pakiston
1.7	to sely heavily on foxergn loans, increasing
	debt busdens and limiting the country's ability
	to prioritize climate Action. Moreover, Pakistons
	inefficient resource management excerbates climate
	change impacts. The country's water, energy, and
	land xesources are mismanaged, leading to
	widespread wastes pollution and envisonmental
<u> </u>	degradation. Poor waste management practices,
	trebuding open dumping and busning, xelease hasimal
	Pollutants mis mismanagement not only harms the
	envisoment but also undermines Pakistan's economic
	and social development, making it increasingly
	vulnerable to climate related disaster. Hence
	Policy and governance challenges Such as lack of climate framework, inadequate insti
	tutional capacity, last of funding, lack of awar
	eness among people and ineppicient desource
	chargement play pivotal sole in climate
<u> </u>	change the impacts of these causes on
	humans and envisonment can not be
	ignosed Eggetive climate sesilient strategies
-	demands effective and timely solution of these

causes	
climate change has drastic impacts on	
envisonment, agricultuse, social economic	
infrastructure and human settlement. To	
basia with an irranaciatal garage increase	
begin with envisonmental impacts increase	
in temperature is one orthonominent impacts	40
of Climate change Pakistan's average temperatu	
has xisen by 0.5-15°C since 1960, with proj	1
ections indicatingua further 1.8-3.82 inchease	
by 2000. This warming toend intensifies, heat w	
aves, drought and water coarcity impacting for	
culture, health, and livelihood in May 2022.	
a sueve heat sove was xecorded in Pakistan	
and India. The temperature seached 51°c. Clin	
ate change makes such heatwaves 100 times m	0
se likely the climate change projections of the	2
1PPC Sexth Assessment Report for South Asia as a	
whole suggest that heatwaves and humid heat	
Stress will be more intense and prequent;	
and that both annual and summer moonsown	
vainfall sill ineverse, with more variations !	TU.
	V
year. Although contributes only 0.88% of the	
woold' greentouse gas emissions, it is the st	
most vulnerable country to Climate change.	
Increase in temperature has led to the	

The state of the s	
changing precipitation patterns that is ultim	
ately increasing frequency of floods and drough	
ts in the country Extreme weather. Such as	
15 11 CHE COUNTED CA 100 MAR L'Kely to	
cyclones or intense moonsoon are likely to	and the same of
increase in Pakistan because of increased sea	
and atmospheric temperature Between 1998	
and 2008 Pakistan reported more than 150	
extreme weather conditions In 2012 catastrophe	
gloods hit the country. The main causes were	
increased precipitation and glaciers melting due	
to climate change: One third or the country	
was under the water According to the climate	
minister shemy Rehman this has exceeded every	
boundary, every norm we have seen in the past!	
33 million people affected Pakistan is stougaling	
with debilitating droughts exacerbated by rising	_
temperature and changing precipitation patterns.	
Drought prone regions such as sindh, Balahiston,	_
and Khyber Pakhtunkwa, face sevese water	
scarcity, impacting agriculture, livestock and	
human consumption. Moseover, Sea level vise	
along the Karachi coast is estimated at 1-1	
mm pex year gos the pexiod 1856-2000 according	
to the stational in Air to or scanno make Day in	_
to the National institute of oceanography, Pakislan-	_
This change is sea level is thought to;	-

due to two major processes, the thermal	2
expansion and the melting of glader has	
The impacts of sea-level rise on coastalo	usaus
and its xesources may already be evident in	
the inuntation of law-lying areas, degradation	
of mangrove farests, decreasing drinking	7
water quality and decrease in pish and shir	n p
Produdivity in those regions saltwater intrusive	<u>m</u>
has also decreased the agriculture produ	whily.
Hindu-Kush Himalayan range is crucial for	5
water, energy and agriculture for about 26	n
people, is particularly apported due to acc	ele
voited glacier melting. The potential loss u	
75% of glacier ice by the century's empl	
the need for urgent action The devastedg	
2022 floods were in past driven by glacie	III.
	II .
melling. Fusthermore, water scarcity is a	11
significant impact of increase in temper	11
she to climate charge, water availability	Per
capita is projected to decrease that we	11
affect agriculture and drinking water.	
The second major impact of climate chas	nge
is on agriculture to pise in temper	cahuse_
and precipitation changes has reduced crop	
such as wheat and, sice and cotton. A	0 11
	(/

to research lad by Da Ode P Alazana at the
to sesearch led by Dr. Adil Najam at the
Lahore University of Management sciences.
by 2024 the cost of climate change to
agriculture in Parastan as likely to be
upto 7% of productivity. The 2022 Palas
tan floods mainly caused by increased prec
- pitation and glacter meeting has lade to
the food shootages bue to change in temperature
and presepitation patterns traditional caming
practices have been affected. This is also
shifting planting and howesting dates, with
spring ariving 10-20 days earlier and autumn
lingering 10-20 days longer consequently.
COOP yields and quality decline, impacting
agricultural productivity and livelihouous, Pridition
ally limate-change is exacerbating live-
stock stress in Pakistan, threatening the
livelihoods of millions of farmers and headers
Meat stress, dehydration and reduced feed
quality comprenise animal health, leading
to diseased productivity, festility and mostuly
The 2019 heatware alone coursed 10,000 liver
Stock deaths in Sindh. Changes in temperature
and humbolity also increases the spread of
diseases such as first-and-mouth disease

deso

Pakistan's population,

poses significant

increase heat

problems, and

vector borne disease like malaria, dengue fever.	age of the same
and cholers. Increased frequency of floods	productive:
and daughts contaminate water sourcess	and the state of t
Spreading water-borne disease Aditionally	_
mental health concerns including anxiety	_
and deposession energe due to displacem-	
ents, livelihood losses and climate-	
related trauma. Paristan's health care	
system, already strained, struggles to	
cope with the increasing climate-xelated	
health crisis. Climate charge has badly	
imparted the economy of Pakiston. Due to	
climate these is an estimated annual	
losses of 3-4% of GDP The Poverty	
rate of Pakistan has increased this	
has led to the social and economic	
dispasition. The poverty rate of Pakistan,	
when estimated at 2 dollars per day purcha-	
sing power parity exceeds 50% of the	
total population with stark provincial disp	
- oxities Pakistan is frequently plagued by	
heatwaves, droughts, siver and flash ploods,	
land slibes, and stooms, including cyclones.	
- climate-change has drastically imparted	
the infrast surfuse and human settlement sur	

your arguments/writing

CS CamScanner