	Climate Change and its Impacts on
	Pakistan
	1. Introduction
	a- Historical overlook of climate
	Change
	b. Decoding the concept of
	climate change.
	2- Causes of climate change
	and 14s distructive forms.
	a- Large amount of green house
	agues emission.
	b- Using pesticides and insecticides
	for more agricultural growth
a process that we than the second of	c. The more production of solid
mar make district the control of the control	waste and its mismanagement
alama March Water September 1	a- use of agricultural land for
	urban centres
and the second second second	e- Using oil and coal
anger can anger a const. do not	industrial production f- The increasing process of
	deforestation
to discuss the territory and an executive the same of	9- The large number of transport
	vehicles using non-renewable
	onergy
	h The amount of carbon emission
	is more than absorption

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Ohn and a	3. Impacts of climate change	
-	on Pakistan.	· · · · · · · · · · · · · · · · · · ·
***	a. Vulnerability of human health	And the second s
	due to vising temperature	The second second second
	b. Floods due to massive vainfall	
	resulted into destruction and	
	displacement	and an arrange of the second
	c-Declination in agriculture	
	production and food security	The same of the sa
-	d- Infrastructural losses due to	
	extreme weather conditions	
	e- Increased number of water	
-	borne and infectious diseases	
	f- Decrease in Snow onless	
	and melting glaciers	
	and melting glaciers.  9-Changing in weather pattern	
-	leads to economic losses	
	h- Climate change course	
	bad air conditions for breathing 4- Way forward for adaptation and mitigation of climate change.	en allente controllerinten i si stationis - c'homen ever de prose vallen s'estatioù permet de par
	4- Way forward for adaptation and	
	metigation of climate about	e alement de l'étrain son l'ambée de l'action de l'étrain de l'étrain de l'étrain de l'étrain de l'étrain de l
	a- Reducing carbon emission	and the second s
	by maintaining net carbon	
1	zero nel carbon	
	b. Decarbonization by using	

renewable energy resources in	
Industrial manufacturing	
c- Climate financing for mitigation	
of loss and damage process	
c-Climate financing for mitigation of loss and damage process O-Adapting Nationally determined	
contribution and new collective	
quantified goal	
5. Conclusion	
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	The second section of the section of
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and the second second second	The new eva of industrialization has led the foundation of	
<b>ey</b>	has led the foundation of	MEN COMMENCE OF STREET STREET STREET
december of the second	capitalistic society. With the emer-	
and a superior state of the superior state o	gence of industrialization, the	and an extension of the second section of the
	thirst for more and more	N. C.
	production resulted into climate	
	changing conditions. Climate change	
	is a extreme weather	
	conditions, evealing vulnerabilities	
	to human health and economic	
	loss. Climate change has many	allina, virginista e deputation e conservante e conservant
provident meson i succide di vi	leading factors that results	
	Puto destruction of human lives	
	and resources. The combon emission	
	by different sources like outo-	
con a late paul management accide	mobile enclustry, industrial manu-	
a realizable control of the second con-	lacturing transport vehicles, and	
	burning of fossil fuels, has	
	increased the amount of	
THE RESERVE AND DESCRIPTION OF THE PERSON OF	courbon in atmosphere. Also, the	angus at subsequent configuration at a security and the subsequent and
regionalità qui la ripe con dei del comme	emission of Cholorofluroarbons	The state of the s
A CONTRACTOR OF THE PARTY OF TH	from refrigerators, air conclitioners,	constant dispersion of the second
	and varietes become course of	
	rise in temperature there are	
	other factors like pesticides, insecticides,	

19	non-reasonable energy resources,
100	and solid waste mis-management
è	and solid waste mis-management making atmosphere miserable for
	human lives. Pakistan is the
	victim of climate change among
(	other developing nations. Climate
(	change is a major threat
-	to Pakistan's sovereignty due
,	to 945 unprecedented impacts.
	To cut the long story short,
(	Climate change has long lasting
	To cut the long story short.  Climate change has long lasting impacts on Pakistan's socio-
	ecomomic and political structure.
	Climate charge is not a
-	sudden phenomena xather it
	has long vocates to inclustrial
	revolution of 18th century. The
	cliscopy of coal and
	Steam engine led the foundation
-	climate charge. From 1st
	industrial revolution to present
	capitalist society, the different
1	means of production contributed
	o changing weather conditions.
	the second secon

the rise of 1.5°C of global temperature is a result of stratustrial productions. The tremendous increase in temperature has everlasting distructive effects on health of developing nations.

The concept of climate change has been evolving from mid 20th century. The different forms of climate change like changing weather pattern, massive rainfalls, scorehing heat, melting of glacers, and floods predicted the new global order is the ovoler of globalisation.

So, climate change is not only for one specific region rather. it makes every nation vulnerable to its impacts. The number of causes of climate change are all man-made and man-driven. The large amount of green house gases emitted by different activities of human beings are key factor in climate change The developed nations the USA. Canada and Elupe are major emitters of choloroftwoearbons and carbon emissions. China emits, 35%, USA emits 15%, Irdia and lanada emits 09% each to world total carbon emissions. But. Pakistan contributes only of % to total global carbon emission Paniston is the 5th most effected country due to climate change. The usage of pesticides and insecticides has a contributive share to climate change. With rice of population, the food the security concerns also increased.

More population required more food and this deficiency is completed by increasing frod production. Therefore, more food producfron is directly proportional to more agricultural production. For this purpose, pesticides and insecticides are applied to food crops and other yields which ultimately, become

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	couse of carbon emission into	
	Alana produces	and the second s
	en a alserdal . The Contition	
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and the second of the second o		The second state of the second
	whole process results into effective	
Carlot and all the control of the Albert Control of the Control of	ale ate change.	
A STATE OF THE STA	10 Waste	
	and its improper management	
	The production of sold and of sold state improper management and its improper management is a prominent, reason behind is the	
	climate change. Population is the	plz include some basic
Manager of the plant and the p	at all prodering	statistics to avoid gossiping
	and shute to large	
	The second of th	
	the failure of most properly	
	clispose solid	
	lead to emission of colling on syon-	
	from dumps ences due to mis-	
	lead to emission of current gos from dumps and heeps. The environ- mental degradation due to mis- management of solid waste. Pakistan	
	management of solid is facing the problem of solid	
	waste management of metropolitan	
Secretary and the Secretary State of the Secretary Secre	waste management of mecopolities forealabact,	
	ceffes Deke Lahore, Karachi, Farsalabaci,	
	so on A large amount of finance is granted to management companie	3
	is granted to management	and the second s

	which ultimately results into
	The Procreasing number of population
	required more space for commercial
	residential and orban centres. The
	agricultural land is converted sulo
	residential societies. The grabbing of
-	agricultural land for developing
	projects destruped the national
	habitate of different species. This
	type of land degradation has
	impacts on climate natural
	patterns. The construction of new
-	building and culting down the
-	natural capacity of environment
	creates harsh conditions for
-	human bergs.
-	The use of oil and coal
-	as energy source to run
-	heavy machinery in industrial
	manufacturing is another cause
400	Change. The reduction
	process of oil and coal
	releases large amount curbon
nimiczy	along energy. This carbon

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	along other gaseous elements make
-	all more acidic. The acidification
-	of air couses severe booth
the same of the same of	issue like asthma , inflamatory dis-
-	orclers etc.
	The increasing demand of energy
-	is meted out by willing
-	wood and increasing process
-	of deforestation. The usage of
-	wood for energy purposes and
-	luxurious furniture both contributed
	to destruction of oursystem and
	natural process of purification of
	air and mossive generation ok
	air and mossive generation of oxygen. The process of wild fire. is
	also key factor behind deforestation.
	Several incidents of wildfire has
	been reported from 2020 to 2024
	in forests of amozon and
-	
	panama. The burning of wood releases different harmful goses into
	atmosphere.
	Climate change 95 the cordificn
	of more carbon emission than
Constitution of the last	absorption which lead to different

The second secon	AFOLIANS PROTEST (1995年) アイアンドース・ウェー 海洋学士・アラン
weather patterns. The use of	
non-renewable energy releases larbon	
monoxide. Culphun denvide and allion	
agents of dimate openge. When	
the level of emission is more than level of absorption then,	
than level of absorption then,	
an sombalance is created between	
harmony of environment and climate	
The factor of climate change has	
The factor of climate change has many impacts on Pakistan. The	
vulnerability of human health due	
to rising temperature is painful.	
According to White Ribbon research,	
"The intensity of head in sindh	
In 2023 was on peak that	
women were facing problems of	
maternity and pre-natal periods"	
Women are more vulnerable to	
changing weather pattern. Due to	
rise in temperature, Pakistan feels	
Strong heat strokes in orban cities	one, sto, lambar and make and Auder Lin, water to make any president and control of
and large number of death. The	
human body immune system has	
low working in high intensity	
of environmental temperature.	

	couse of carbon emission into
	almosphere. Along pessicides and
	Prosecticides, the artificial growth
The second secon	of yields is increased by
	different types of fertilizers. The
	whole process results that effective
	Climate change.
et o grande a	The production of solid waste
	and its improper management
Michaele cod	is a prominent reason behind
CO-MAT TOWNS	climate change Population is the
Cprovinces	mother of all problems. Overpopulation
S. Sandania	The state of the s
	has contribute to large amount of solid waste production. Then,
	the failure of institutions to
	the farlure of institutions to clispose solid waste properly
	lead to emission of different gases
	from dumps and heaps. The enveron-
	mental degradation due to mis-
	management of solid waste. Pakistan
	is facing the problem of solid
	waste management of metropolitan
	cffies like Lahore, Karachi, Farsalabaci,
	so on. A large amount of finance
	is granted to management companies

	which ultimately results into	-
	debt crisis.	(maringa)
	the increasing number of population	gred mayi
Action to the second se	required more some for commercial,	alle des age
e need some sta	tistics and orban centres. The	Bergelag, iso
	distributed and is converted and	terri e vale
	residential societies. The grabbing of	
the second secon	agricultura land by doubleston	
	projects destruped the national	- waterpai
The state of the s	projects destroyed the natural habitate of different species. This	
	type of land degradation has	officers, solder
	impacts on climate natural	
	patterns. The construction of new	Marks System 1710
	building and culting down the	and the same
	natural capacity of environment	-
	creates harsh conclitions for	m pakasan
	human beings.	Ministration age
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or and feature in the state of	as energy source to run	-
	heavy machinery in industria	
	manufacturing is another cause	S Weller House, of
	of climate change. The reduction	O-A-FORMA
	process of oil and coal	ografikasjenski po
	releases large amount carbon	***
	along energy. This carbon	e grani weepen
	of two con	ni Carparani d

The change in weather patterns and massive vainfalls cause in Pakistan. The flood of 2022 impocted Pakistan's economy so hard. An estimation that flood of 2022 hills brillions of clutter to Pakistan economy. The most effective area of Pakistan is sindh rural. A large population is displaced due to their loss of houses, agricultural lands and crops. Some areas of Punjab, along barrus of Cherab and Thelum rivers are on hit 284 of floods. Climate change is a leading factor in declination of agricultural production and increases the risk of food security for instance, seasonal crops are low yielding due to rainfalls at harvesting period. Thousands of acres are washed away, by heavy floods cluring moonsoon period. The yearly production of agriculture

	sector is decreased the decrease
	en production makes Pakistan
	economically weak.
Marin or the second second second second	Due to negligency of global
eral configuration of the last	North, Pakistan is facing infra-
	structural losses due lo extreme
	weather conditions. The situation of
	masses in Pakiston is very
	miserable due to inflation and poverty
	The average houses in rural areas
	are constructed of grey structure.
	During flood of 2022, about 2.2
	million Kacha houses ove lossed.
	magarity of them of rural
	areas have below \$1 dollar
	per day income. The escalated
	changes in climate makes their
	lives more misercuble.
	Climate change paces, the process
	of glacters melling due to
	extensive heat and vising tem-
	perature of atmosphere. The
	melting glaciers is a existential
	threat to water bodies and
	water reservoirs. These water

reservoirs are very significant for period of water shortage.

Recording to an estimation, Himalas, glaciers are method out about 1/3 during recent years. Pavistem will face water searcity to near future. Climate change causes entreme bad air conditions for breathing. 2020 onwards the air quality
findex is worse in Orban
offies. Smog causes askhmas inflamatory disorders in children specially
while aged persons are scumbbed the air quality death. The bad air quality index reaches 1500 points in 2024, the most defective range of breathing air. In addition, the economic and educational losses are indespensable due la lackdown. Climate change is a non-traditional threat to Pakistan's economy. COP 29 in Baku, Azerbaijan, this year proposed financial steps towards adaptation and metigation of

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the change Firstly, implementing goal of net carbon zero Is executed step towards mitigation.

The amount of carbon emission must not exceed to the absorption For instance, developing earbon markets paves way to economical support and reduction in climate effects. For this purpose, china modal, Japan madel and capada modal are profitable and achieveable. Secondly, the usage of coal and burning of fossil fuels moust replace to renewable energy resources in industrial manufacturing. A large amount is released by burning of coal and fossil fuels. So, renewable energy, resources are life sover for developing nations. The renewable energy sources like solar energy, wind energy, and nuclear energy. On third number, increasing climate financing for mitigation of loss and

damage process. According about \$1.3 William is required for miligation and adaptation of dimede. change by 2030. Climate finance or less and damage fund plays a privotal role in sustainable development programs. Fourthly, by setting Nationally Determined Contribution and New Collective Quantified god is very helpful for Pakistan.

Pakistan's inhibitives for green Pakistan

and reforestation are possilive step for comate adoptation. Along these steps, Pawistan is shifting energy sector from non-renewable to renewable sources. In a nutshell, Paristom is suffering from economic exists and political instability due to impacts of climate change. Pakistan like other developing ration is fighting with non-traditional threat of climate charge. Climate change has long lasting impacts and dists on Pakistan's socio-economic and political

destructive. Clemate change is totally a state of resentment of global north because all major emittors and creators of climate change are developed nations who have no care about weak and vulnerable countries. The punserence of parties is just showing number of participants in an annual summit but nothing more than that The new Pritiatives of Nationally determined contribution, New collective quantitied goal, and Luss and damage fund well provide a exist to a sofer world. Conclusively, the measures of adaptation and mitigation required a collective approach of state postitutions and mosses in order to goun peaceful and pure environment for life.