	Env Science 2023 —/_/_&t
Q <sub>3</sub>	Discuss in detail - the climate mitigation and
	adaptation strategies keeping in view the
	adaptation strategies keeping in view the climate change risk index of Pakiston?
	Control of the Contro
	Introduction: Marily Trasip
	Climate mitigation and adaptation
	Strategies are essential components of
	the goal global response to the pressing
• 4	challenger pored by climate change As
	Planet experiences unprecedented chifts in
	temperature, weather patterns, and sealevels,
	the need for comprehensive and pro-active
	approaches to address these changes has never
	been more critical Mitigation Strategies
	focus on reducing green house gos emissions
	to slowdown the pace of clarate things,
	while adoptation Strategies aim to help societies
	and ecosystems adapt to the changes that
	are already inderway. Together, these strategies
	form a crucial fromework for saleguarding
	environment, economies, and communities in
	the face of a changing climate.
(1)	- the declaration of the same

C	limate Mitigation and Adaptation	
9	trategies For Pakistan	
Ī	akistan is highly vuberable to the impacts	
0.	climate change, as evidenced by its	
	soking in the Global Climate Risk Index.	
	ccording to the Global climate Risk Index	
	021 Pakistan is maked 5th among countries	
	nost affected by etimate change between	
11.	000 & 2019 indicating a significant and	
	owing risk This heightened vulnerability	
U	nderscores the organt need for both	
С	limate mitigation and adaptation strategies	
4	ailored to Pakistan's unique challenge	
(	limate Mitigation Strategies for	
	akistan:	
T.	casilian La Paul IIIa Fa	
	consition to Renewable Energy:	
	Fransitioning from fossil fuels ( Such as coal and natural gas) to	
	enemable energy sources such as solar,	
V	lind and by dropower to reduce the emission	
	I green house gases that could contribute to	

Climate change For instance Pakistan can	
reduce its greenhouse gas emissions by	
transitioning from form hele to menewable	
energy sources like son I have	
Morld Bank has and I Paid	
Movid Bank has supported Pakistan's renewable	
Park Prich or Quaid-e-Azam solar	
Park, Punjab one of the largest color	
projects globally which not only reduces	
emissions but also enhances energy security.	
171	1
Afforestation and Reforestation:	
Afforestition involves planting trees	
on lands that were not previously forested	
while retorestation involves replanting trees	
in areas where forest have been cut down	
or degraded. These actions help sequester	
carbon dioxide from the atmosphere and	
mitigate climate change Asian Development	
Bank has supported Pakiston's forestry	
initiatives such as the Rillian To I	
KPK This project of the Billian Tree Tsumami,	
KPK This project aims to plant one billion	
trees to mitigate climate change and	
	1

	restore degraded e cosystem
	Energy Efficiency Improvements:
	Implementing technologies and practices
	that reduce the amount of energy required
	for various processes, including industrial
	production, transportation, and building
-	Operation. This reduces energy related
	green house que emission. Parsistan's
	government and organizations like World
	Health Organization can collaborate to
	Promote energy efficient infrastructure and
	raise public auvoreness
	Climate Adaptation Strategies for
	Climate Adaptation Strategies for Pakistan
	Water Management and Irrigation:
	Enhancing the management of water
	reconcertinateding building reservoirs,
	improving irrigation systems, and adopting
	elficient water use practice. This is critical

	to address water scarcity and adapt to
	changing precipitation patterns Pakistan faces
,	increasing water sarcity due to erractic
	rainfall patterns Adaptative measures include
	improving water management, building reservoirs
-	and implementing efficient innighton tethniques
	Asian Development Bank has supported the
•	construction of the Dasu Hydropower KPK
	to enhance water availability and energy
-	generation
	Diaster Risk Reduction:
	Implementing measures and Strategies
	to minimize the impact of natural
	diasters, such as floods, cyclones, and headwaves
	his includes building resilient infrastructure,
11	early woming systems, and emergency response
	plans Palcidon is prone to natural diasters
	including floods, cyclones and headwaves
	그리님이 하는 이 이 경우하는 그리다면 작가 있다. 그리는 이 전에 가는 아버지들은 🖍 얼마는 이 살이 된다는 그리다면 하는데 그래요?
	collaboration with international organizations
	collaboration with international organizations like the United Nations Development program can aid in diasles rick reduction effords

Climate Resilient Agriculture:	
Implementing agricultural practices and	+
Implementing of withstand and adapt	
technologies that can withstand and adapt	
to the impacts of climate change. This	
my involve using drought resistant crop	
voneties, crop rotation and sustainable land	
management Agriculture is a vital sector in	
Pakidan's economy but itais vulnerable to	
di la chana i sadi Implementing climate	
climate change impack Implementing climate	
Smort agricultural practices, and crop	
diversitication can enhance resilience Food	
and agenisate Agriculture organisation and	
world Bank can assist in implementing	
Such Strategies.	
Urban planing and Infrastrireture:	
[18]	
Incorporating climate resilience into the	
Planning and design of whom areas and	
intractive to withstand extreme weather	
events and sea level rise This includes	
constructing buildings that can withstand	
floods, improving drainge systems, and	
crainage systems and	

ensuring S	justoinable urban development	
0	See But Annual Control	
Communi	ty Based Adaptation:	
Empower	ing local communities to identify	
and impl	ementing adoptation strategies	
	tailored to their specific needs	
	rabilities This approach involves	
	communities in activities like water	
	, sustainable agriculture, and diaster	
	us to build resilience community	
	lation projects like those supported	
	United Nations Environment Programme	
	vulnerable populations build resilience	
	tivities Such as Small Scale	
0	vesting and diaster preparedness	
	d	
Conclusion	on:	
	lan stands at a critical juncture	
	exts to combat the protound	
	posed by climate change The	
	l'he situation is underscored	
Slokal d	ountry's high ranking in the	
I IODAI CI	imate Risk Index However, the	

	T	
	comprehensive climate mitigation and adaptation	
	al l'alexantional	
War and a second	Strategies, in collaboration with International	
	Organization such as World Bank, ADP,	
	UNDP and NIHO, offer a ray of hope	
	네 [[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[	
	By embracing these Strategies, Pakistan	
	can chart a more sustainable and climate	
	resilient Path Pakistan's commitment to	
*	4 이 시 그 그 그 그 그 집에 생활한 생활하는 그는 그 전에 가장하는 것이다. 그 것은 바다 그 그는 것이다. 그는 것이다. 그는 그는 것이다. 그는 것이다.	
	addressing climate change is demonstrated by	
	its INDES submitted to the UNFECC,	
	arthines Pakistans targets for mitigating	
	H [ - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
	greenhouse gas emissions and adapting to	
	climate change have already begun to	
	to yield positive result in the realms of	
	renewable energy adoptation and relovestation	
	further emphasizing the nations declication	
	to a more sustainable future	
	ans is well composed	
	8/20	
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