(CSS-2023(Special) PAKISTAN AFFAIRS Qu What policy actions should Pakistan exercise to effectively its vulnerability to the phenomenon of Global Warming? (A) Introduction:Pakistan stands vulnerable facing a myriad of challenges in handling the phenomenon of Global Warming. As the empacts of this phenomenon are exacerbating, the need por nuarced and decisive Policy actions becomes evident. In this scenario pakistan should tailor a holistic set of strategies to address its vulnerability to the far-reaching effects of Global Warming. For this purpose, Pakistan adopted the National Climate Change Policy (NCCP) in 2012. Its goal is; 66 To ensure that climate change is mainstreamed in the economically and socially vellnerable sectors of the economy and to steer Pakistan towards

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climate compatible development ." In addition to this, many other mitigate the implediate threats
posed by Robal Warming but also josters sustainable development of Pakistan. (B) Pakistan's vulnerability to Global Warming Threats: The important threats to Pakistan from Global Interming are: is Considerale Increase in Extreme Weather Events:-One of the major Hireats to Pakistin from Global Warming is the ionsiderable increase in the brequency and intensity of extreme weener events. Moreover, me increase in weather events is also coupled with erratic monsoon rains which cause prequent and intense floods and droughts in the country.

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According to International
Monetary Fund (IMF), secent
bloods of 2022 in Pakistan
have caused extensive human
and material damage. Thirty
three million people (14% of
population) in half of districts
were conservely affected. Over
1700 people were confirmed
1700 people were confirmed
by IMF shows that Pakistan
is highly valuesable to
global warming.

Hindu Kush - Kasakoham - Himal
ayan (MKH) Glaciess:

The other major threat

to Pakistan is the projected

secession of Hindu Kush Kasakoran

Himalayan (HKH) glaciers due

to Global Warming According

to Al-Jazeera Report

Himalayan Glaciese will

lose 75 perces of ice

by 2100 his melting of

glaciers will cause dangerous

blooding and water

chortages for nearly > billion

people who live downstream

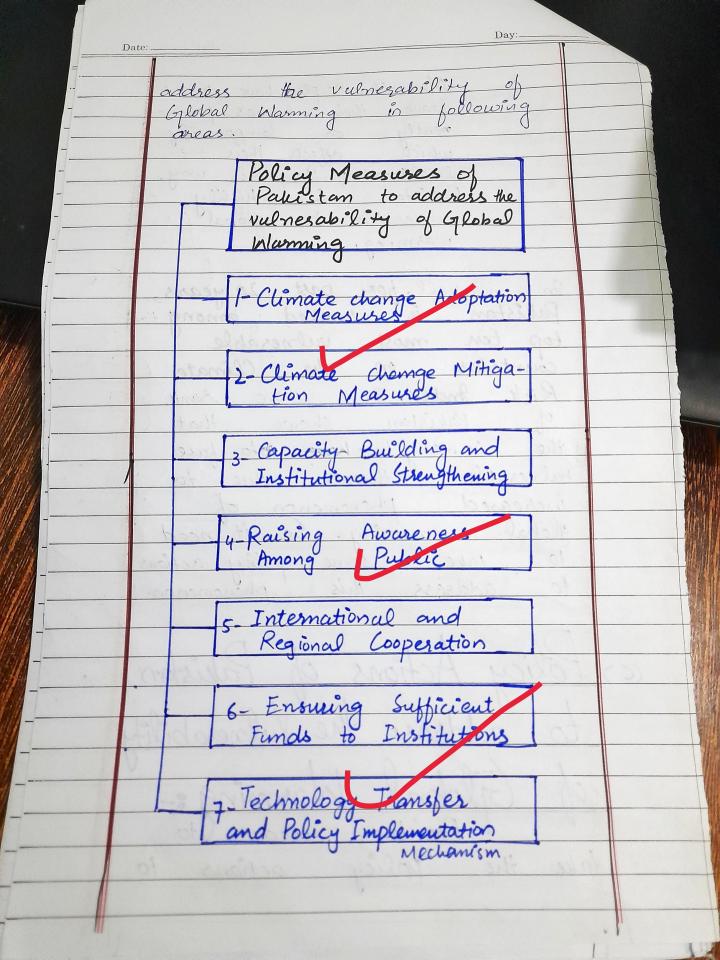
Date: of rivers that originate in the Himalayas, report says. So, Pakistan is on the high risk due to glaciers melting. ciiis Increased Siltation of Major Dams :-The other considerable threat to Pakistan from global warming is the increased siltation of major clams. This siltation is caused by more prequent and intense sains in the catchment weas and Hydrographie Survey 2017, the water Storage capacity of Tarbela Dam has been reduced by over in the sesorvoir. So it is obvious that siltation disrupts the storage capacity of major dams thereby affecting the country. Productivity:-

One of the main threats to Pakistan from global warming is the reduction in agricultural productivity. This is caused by sising temperatures which result in enhanced heat and waterstressed conditions particulage <u>in arid and semi-arid</u> regions which leads to reduced agricultural productiv-ity. As per World Bank Report, Pakistam, as om agricultural country, provides employment to roughly 25 mills n people and is the mai income income source for Pakistani people.

Now if agricultural due productivity will decline to high or issegular temperatures, then it will Cause a big threat to
Puhistan socially as i well as economically. Saline Water in Indus Dolta:The major threat
to Pakistan due to

Global Warming is also of increased intrusion of saline water in the Indus Delta. It adversely affects the constal agriculture, mangroves and briding grounds of bish. As about 97% of mangrove forests of Pakistan are located near Indus. Delta; according to Global Change Impact Studies Centre. They all are at danger due to intrusion of Arabian Ser in Indus Delta which is a big threat to Pakistan. wir Increased Health Risks and climate change induced migration &-One of the other threak to Pakistan from Global Warming is also the increased health risks associated with the dis nce in mental abilities respiratory and cardiovasculas diseases, and waterborne diseases as well

Date: Moreover, people have to leave their homes permanently or temporarily which affects their livelihood In this way, Pakistan is highly vulnerable to global warming, In a nutshell, for past 20 years, Pakistan is ranked among top ten most vulnerable countries on the Climate Risk Index. The above same the Country hours to face vulnerable aseats due to increased phenomenon of global warming. So, it need to take some policy actions to address this phenomenon (c) Policy Actions of Pakistan address the Vulnerability take the policy actions to



Day:___ Date: 1) Climate change Adopterti-on Measures: Pakistan should adopt some plicy measures to address the vulnerability of Global Warming. The policy measures include: in Water Storage and Conservation Strategies: Pakistam should assess and address the needs for additional water storage and distribution infrastructure · Moreover & should also de sop multi-purpos small dams for storage of load water. In addition to water storage capacitie Pakistan should also ensure water conservation at all levels to reduce issigation system cossess. and provide incentives for adoption of mos efficient isrigation techni-ques For this purpose, Pakistan has also developed its first ever National Water Policy in 2018, which addresses the

Keep the description of the headings brief and increase the number of headings during from water. Agriculture and Livesto-Pakistom should develop appropriate simu lation models for assessment of climate ch impacts on physica chemical, biological and financial aspects agricultural production systems. in agro-ecological zones. Moreover, the Country should introduce better breeds of liveston with higher milk and meat productivity. More specifically, these seeds should be fers prone to heat stress. For this purpose, Pakistan has also Jounched National Food Security Policy 2018 to make agriculture mor Productive, profitable, and climate resilient. (iii) Appropriate measure

below:

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in Development in Energy Secretar needs to develop its enougy sector in order to address the vulnerability of climate change country should Promote renewable energy resources and technologies like solar, wind, geo-thermal, off-shore renewables bio-energy. Moreover, Pakistan should also ensure to create a conducte envisionment for the Sustainable growth of the Alternate and Renewable Energy (ARE) sector as envisioned and laid down in Alternate and Kenewable Energy Policy - 2019. These policy actions would save Pakistan from vulnerable threats of Global Warming. iii) Managing Emissions

Date: in Transport Sector: the vulnerabilities of bylobal Warming, Pakistan has to manage emissions in transport sector. The country should sensitize the public to the important ce of proper vehicle maintenance for fuel efficiency and reduction of emissions, And the government should ensure the provision of a fuel effécut public transport system the country Moreover, suitable policy actions should also be taken in availation, railways, and inland in Promotion of Economic Incentives to promote Emission - Reduction in Industries &-Pakistan should incorporate economic incen fives to promote emissionreduction by upgrading

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industrial processes and technologies. The country should encourage industrial sector to have periodic 'Energy Epiciency Audits'. And develop the capacity to monitor and estimate emissions locally for each industry,

Institutional Strengtheni-

Pakistan is hardly
prepared to meet the 21st

(entury's biggest challenge
of Global Narming as
well as himan resources
and institutional capacities
are concerned. So, Pakistan
should adopt policy
actions for capacity
enhancement by developing
global warming professional,
9t could be done
by sending going scientists
and students to reputable
institutions abroad for
higher studies, Moreover, the

country should introduce curriculum on environmental Planming with partialar emphasts on Disaster Risk Reduction (IRP). To make the polities be impremented,

Pakistern should establish Climate Change Cells in sectoral pederal and provincial ministeries. 9t should also develop and strengthen a Monitoring, Keporting and Veril ation (MRY) sijstem for evaluation of emission reductions. In this way, Yakistan can address the threats by Global Marming Whaising Awareness
Among Public: Public education and outreach are vitally important to create broad awareners of climate change izeues and its impacts. So, Pakistan should conduct nationwide surveys to gauge opinions and capabilities of

key stakeholder Morsover, The country should develop national climate change ing committees. Such steps can reduce the threats of global warming in Pakistani 5) International and Regional Cooperation:

As global warming

is a global concern . 50 Pakistan should under appropriate consultations to develop its stand on global warming related international policy issues As per World Bank report, Pakistan only contributes less than 1% in global emissions The above data shows that clespite being a non-Contributer to global emissions , Paristan still highly vulnerable to it. Moseover, the country should also

continue its attendance at the UNFCCC Conference of Parties and other related meetings. In this way, Pakistan can reduce threats of Global Warming through international Cooperation. 6) Ensuring of Sufficient Funds por Institutions: to many conventions, Pakistan Should ensure that it must have sufficient funds that are always available for institutions For example, the country should have funds for Mational Disaster Risk Management Fund (NDRME) to cater the emergenises caused by natural disasters Moreover, the country should continue to assess how best to position Pakistan vis-a-vis other

groups of developing locuntries in order to secure adapt from fun ing. In this way, Pakistan can reduce the threats of global warming, vulnerable to However, significant policy actions if taken by Pakistan stop towards sustainable envisonmental management. Overall A good The answer is very lengthy and will badly affect your time management in paper. Reduce the length. 8-9 pages are enough