Q#2 1- Introduction climate change is becoming an existention threat to man Kind. As it is leading changes in the easth temprosture, precipitation, weather pattern etc. All of this has compoursed drastic changes in the existing pattern of Earth. Like Vising sealevel, floods, neativaries becoming more frequent and severe ever. Similarly, in Pakistan the situation is quite perplexing as 2022 Floods completly ravay a the country economical and concerly. Moreover, the effects and manifestation of climate change is not limited to any specific region. As it is impacting all states equivocally. Definece, it is high time that the global community come together and deal with this threat collectively to Save Planet Earth. 2-Overview of climate change climate change refer to long term alteration in the average weather

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pattern and temperature on Easth. It is being monifect at local and global level in the form of Kiling Slobal warming r Climate change has been exacerbated due to human induced activites. As global comission have led to charges in the composition of atmosphere. Moreover, as per recearch there has been increase of 0.7° since 1901. Thus, Human induced inductralization has unequivocally impacted the global environment whose manifestation - climate change today. 3-Drivers of climate change 3.1-Industrilization. Rapid industri lization is the main reasen of climate change. As human induced inductrilization has given impetus to changing climente dynamics 3.2 - Deforestration CONTROLATOR - A It is another Cause of climate change An deforestration led to low carbon

Sink Forest Not asked Give a flowchart 3.3- Population Population is another cause of climate Change As unsustainable population mean more reliance on resources thus more industrialization. 3.4- Increased Green house Gases It is another cause of climate change as increased Cottaks entrapped carbou in the atmosphere which increases climate change phenomena 4- Possibilities to counter climate change 4.1- Technology advancement The use of Artifical intelligence can help alleviate the phenomenon af climate change Forinstance Direct Carbon capture technology can be effectively used to capture excess Corbon in environ. 47- Afforstvation/Represtration both phenomena are effective in Countering climate change. For instance, In Pakistan Billion tree tempomi

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Project was an effective policy to counter emersing climate threat. 3054.3 - Unternational Treaties Similarly, international treaties are formal agreement which can be a binding force on all states to counter Climente threat. Forivistance, Paris Agreement goly is example which is a hope Tux a better climate regulation 4.4- Alobal Awaimas and callaboration Global awaisness of climente orlanted theats and its emersing issues can play a vole of collaboration for all state. As states will be compelled to counter climente change to lave their citizen 5-Hinderances in climite government 5-1- & conomic interest As all dereloped world economies him on consuming fuel. Thus, they will never forgo their self-interest For collective wellbeing. Moreover Conquic expedicincy trump climate in global governance

Give elaborating eadings ical interest Anather threat which is detrimental Countering Forrelimente climate chan isthe political indishting among states Forinstance, USA left Paris agreemen to please its political economic interest Moreover, drodegue over climate issues is an r contentio between State 5.3- International disparation Similarly, the issue among developed and developing economing have becom goin contraction. As developed word is not whether to pay to the Climente damages happened in global South Like, 2022 Floods in Pakiston calls for climate reparention but global North is in denial to pay. - climate denial 5-41 te devial is a ceridas concerno 0 many Edward Scientist, Repticans, donot bedreve in climente change y are skeptic of climate change climate propaganda is in

Swing to reduce it to m regular talk. 5.5- Lack of an forcement Another threat is the lock of enjorcement of climate policies, dike UNFCCC, Kyoto Protocal Fail to achieve the desired out come because of lack of enforcement in those bindings. 6- conclusion All and the second In conclusion, it can be raid then climate change is an apocalypse. At it will bying unimaginable Consequences For Earth and For all species living in it. The hinderency in countering climate change are many as started carbrer but man has a duty to full to environment and if the Ishe dail it will sender isreversible losses to all

Disaster Rick Management Defination. It is a systematic pproach to identify, evaluate, reduce predict, and control of damages Caused by disaster. Effective DRM is cruciall For minimizing the impact of matural d man made disaster Steps of DRM Strategy 7 - Pre-Disaster management It refer to early preparedness in this step. Information data collection area before any disacter happen Similarly, Baseline dorta collection happens at this stage -> Technical Feasibility also happen in this stage 2 - Post-Disaster management In this stage loss of indrastructure estimation is done Moreover, Vemote sensing is also done to evaluate the extent of disaster 3 - Repubilitation Do not write a heading on the last page Scanned with CamScanner

this stages indrastructure development pappens, peuple are given monetry incentives 01 damager being done similarly, Community empowerment and itigation happens at this stage BPM opportunities 1 - Early working system DRM enable the development of Early borning system. As deutes Collection and technology transfer improve the capacity to help Communities pass such calcomities - These were not the opportunities 2-Communiaskad; Lence Education, awairness, and local capacity building empower local community Ves, Dence against disaster. 3 - Innovative financing me hanish Similarly, DRM provide a nation chance to set it priorities in the right direction, Foringtance aveces bunds establishment was example of that

21 - Regional callaboration DAM provides the states to regionally Interconnect with other other state matter of martial concern Furinstance, China can help Pakistan built its DRM strategy challenges are couted to DRM 7 - climate change climate change is be coming. severe hadlier day by day. Its intensity is increasing which is making DRM stratesy ineffective in Pakistan as withered in 2022-floods 2 - Limited resources DRM require massive spending While Pakistan donot have that cach flow. Moreover, the 2023 flood have exposed limitation of resources 3- Absence of correct Party Insufficient data mapping is hindering SCOSK assegment and possible intervention to certer elimente threat 4- Northand harard It is another reason Why

Do not write in a generic manner is Jucing a severe challenge twoves, floods, drave hte insing more repetant re beco to coster eac not possible and every single threat H / EIA Definition "ELA is a formal process to identify, to evaluate to predict to avoid or to reduce the environmental effect coused by any project or activity objectives of EIA D Ensure Environmental Protection @ Promotion of Sustainable development 3) Improving efficiency in 21

Use of natural resources Steps of EIA Step] > Also Known as Project screening -> Establishment of Project Proposal In this stage Adocation of project. A Estimated cost of project A Time of Project is undertaken National Environmental Standards here develop in this stage. Step 2 -> Also Known as Project scooping. > In this stage futuristic lene Is taken. -> social cost associated to project are explored bikes whether it well lead to povery livertices in the Tuture et step-3 In this stage Base line data collection il survey of areas population, Topussaphy Archadagia

Sites happen Step-4 In this stage, environmental lens is taken. Possible questions are taken into consideration about the project is will it lead to deforestrution, environ. pollution, Eutrophication, migration etc. Step-5 Also known as Impact Preseduction In this stage question are explored on the severity of problem, Like, what impact will this project make in the long term Step-6 Also Known as Mitigation meaning if the project can lead to environ deterioration mitigation measured Can be recommended at this stope to avoid the negative spillaver effect. step 7____ In this stage, Public participation in the project is ensured

so that conflict of interest can be catered. Thus, Public ssued to know public opinion about a project step-8 This stage is Known as Vironmental monitoring. It can happen during the project states. to know compliance and give recommendation on the project. step 9 This stage is Known environmental audit stage. This happened for the project is completed. It is done to know whether implementation happened in latter and spirit Benifits of EIA I dentify environmental problem 1) 2) help in environmental prediction 2 help in miniscution measures is opportunity to modily and design project

some examples 6 control a climate change. mprove healthy living netional and internation 40 vention of environmen Standard, Pronote environmen O and education Fard Insecurity Food insecurity regar to vidual dition where lack access to safe, nutrious ford to maintain headthy lifestyle Food insecurity is a multipaceted Problem that can have significant econom Social, physical and psychologicall effect on an individual Threat to Chobal Food security 780m glabal worming (1) Low yield Aperal - warming is directly impacting e agorcultural cector output

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production. Forinctance, in 2022 flood. 25 million acre standing crops were destriged in Pakistan. ich led to low yield Production @ Loug Livestock Golobal warning is leading to loss of live stock. As increased heart waves and floods are making diplicult for animals to cope sudden climate change. As per NDMA, nearly To million animal died in the 2022 Floods. 3) water scarcity alabal warming is changing the weather pattern cycle. Thus loading to more drought in African nation where drought and familie is becoming more endemic. (4) Extreme heat waves Extreme heatwaves is yet another manifestation of cheatal warming. As heatwaves is degenerating the crope cycle because most

Crips are sensitive to temperature 6 weather Pattern changes Similarly, weather pattern changes are another manifestation of global warming. As moon soon sooson is becoming more chaptic and is rendering heavy losses. Mitigation step 2-Invest in Renewable sector Meany investment is needed in the renewable sector of Pakistan. Forinstance, operating Tube well on Solar or wind power can reduce carbon foot print. 2- Diversified Croping at same time Diversification and rotation of Crop Can reduced Climente Vulnerability. 3- Improved water management EDective irrigation system can help former manage changing pattern in climate. 4 - Establishing Early worning system Early worning system can help

alleviate extreme 5- Former aveation and capacity building Prior in Jorwestion to farmers can help them allow the climate un neva bilities and will help there in adapting en condition #8 (1) water Pollution water Pollution rejer to contamination of water bodres such as lade ground water, ocean due to the harmfull pullitant released in th bistater. ypes of water Pallation 1- chemical Pollution This due to the release of chemica like mercury, cadade, Arseni into worker bodies 2 - Bialogical Pollution This is due to the presu

of harmfull micro rganism like bactarie, pathogen, Virvses in water bodies 3) Physicall Pollution when water is polluted due to the presence of sendiments which disturb aquatic life Effects of water Pollution 1- Diskases water pollytron lead to wa Lorne discover like T.B, chalero 2 - loss of biadiversity water pullition Can lead to Just of biddiversity. At it will distant The accuratic life in worter 3- Agricultural impact water Pullution can lead to poor Crop production damaging soll Tertility. (4)Kempte Sensing It is a technology to gather information about abject through

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Sensor satell to Remote sensing is used in onviron monitoring, natural resource angement, agricu Jurban planning, disaster management The dente collected From sensures is effectively used to gain information, carmulate strategy and palicy response (5) SEA it stand for stratesic environ Assessment 66 It is a set of analytical and participatory process for the incorporation of environmental Corsideration at the early Stages of decision marking into the policies and program that may apect the natural environ 99 Objectivy Prainsting sustainable developments

@ strengthening EIA controlling Explaitation. Work Scheme of SEA O I dentification of Pridrities In this stage output and outcome are identified. Moseduer, priorities are defined about the goal 2 Information sharing Similarly, communication blue institutions and relavout stake holder happened at this stage. 3 Recommendation of Stake holder Recommendation about the program are given to relevant Stakeholder G Trade off In this stage, trade of hopers in term of whether the project is Jeasible will it lead to proposed out come achievement is had SEA Pre-requisite OTolevant society. D Institutional capacity (3) Competence of Palicy makeus

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