Date 13-08-2024 Environmental Science 2016 20 Marks cl: what are salient requirements of the United Nations Framework Convention on Climate Change? Why there was a need for supplementally kypto Protoco Elborate the Contractives associated with the Protocol introduction : The United Nation Framework Convention on climate change (UN Face), established in 1993, provides the foundational framework for international climate Darry. It main dequisements include stabilizing greenhouse gas (Gitter), concentrations, to secogoizing common but differentiated tesponsitutides among mations and providing promoting financial and technical support for developing countries. Despite these effosts, the UNFCCC lacked specific binding emission seduction tapets almed leading to the kyets protocolis almed to address almed to address almed to address almed to address these gaps by setting legally binding tagets for developing countries and introducing masket-based mechanisms. However, if faced controversits related to the U.S withdraw, unequal target distribution between developing countries developed and developing countries.

Date I Need for the kyoto Protocol: The kyotor Deotocol, adopted its 1997, we needed to address shortcomings of the UNFCCC Specific Target: The Line of the Construction of the Constructi 4 The UNFrace established a general framework but locked binding emission reduction targets. The kyoto Protocol infroduced legally binding targets for developed legally binding targets for developed Countries to reduce their GIHON The Kyoto Protocol was a major milestone in global climate agreements because it was the first time Emissions Countries agreed to legally enforceable limits on greenhouse gas emissions. This was an impostant advancement in the global effort to combat climate Charge" - (Ban - K: Moon Rising Emissions: Griobal Gitig emissions continue of 2. to increase despite the UNFCCC's objectives. The Protocol aimed to enforce Concrete measures to curb this frend. Kypto Protocol Flexibility Mechonism International leas Development Joint Implementation Emission Troding Mechanism CDM

Date Masket Mechanisms: The Protocol introduced market-based mechanism, such as emissions trucking, and The Clean Development Mechanisms (CDM) to provide flexible and cost effectives wayed for countries to meet their taxgets\_ Principles of the United Notions Fromework Conventions on climate Change (UNFCCC): a. Common but Differentiated Responsibilities: It Acknowledges that while all countries are responsible for addressing Climote Change, developed countries have a greater responsibility due to their historical emissions and greater financial capacity. of developing Countries and Circumsforce of developing Countries are taken into account secognizing their unherability to chinate change impacts and their need for support According to the UNFCCC, developing according to the UNFCCC, developing Countries Twill need \$140 - \$300 billion annually by 2030 for colapitation to climate change impacts." It ensures that needs and cocumstances

Date \_\_\_\_ C. <u>Precautionaly Approach</u>: It emphasizes taking prevention/preventive action in the face of uncertainity, advocating for measures to avoid signif environmental harm even when scientific Evidence is not conclusive. Prevention is better Than Cuse d Sustainable Development: Sustainable Development Promotes economic development that meets the needs of the Diecent without compromising the ability of futule generations to meet their their own needs, integrating environmental Protection and economic growth J The environment in where we all meet: where we all have a mutual interest; it is the one thing all of Shake Lody Bird Johnson US UNFCCC on forgone of fosties Technological Finne Mermin Mechanism

Date IV Commitments of the United Nations Change (UNFCCC): National Communications : 2 National Communication Parties are required to regularly report on their greenhouse gas (GIHGI) emissions, climate policies and measures they are taking to address Climate change, These separts help to track Progress and transparency. In The initial round of National Communications was completed by 2000, with the first seposts Submitted by parties in 1994, The Year the UNFCCC into force 2. -incrial Assistance: Fourde financial assistance developed countries must to developing Countries to help then mitigate and adapt to climate change mitigate and adapt to climate change This includings funding for Projects that reduces emissions and enhance tresitience. Financial Support is essential for equitable climate Solutions Kof: Annan

(6) Date \_\_\_\_ Confesence of the fastles (COP) The goussning body that meets annally to service progress, negotiate new commitments and make devisions 3 on climate action. "The Conference of the parties is a moment of global unity in the fight aquinst climate change "(Bon K:- Moon Controversies Associated with the Kyotace Drotaco : Os Withdrow !: î-The United States, one of the Pasgest greenhouse gas emitters, did not votify the kyoto Deotocol, C°ting economic concerns and the lack of birding targets for developing countries. This decision significantly impacted the Postocol's effectiveness and Cledibility. "At the fime of Protocof's negotiation The U.S was desponsible for about 25° of global greehouse gas emissions, making if participations crucial for The Protocol's effectiveness"

Date ii Developed us Developing Contries: The Destocal imposed binding emission reduced target solely and developed contries while allowing developing contries, including major emerging economies like China and India, to inclease their emission Critics argued that this Geoted an imbalance and was unfoir to developed nations. 5 The Challenge is not just to reduce emissions but to ensure that the burden is Shaled faitily between developed and developing nations" (Bon Ki-Moon) iii Economic Concerns : Some countries expressed woossiles that the emission beduction tagets could have Theile economies particularly those heavily dependent on fossil fuels. This ded to resistance from certain nations and calls for l Benegotiation, r The U.S government estimated that Complying with the Kyoto Protocop could Scot between \$100 billion and 48400 billion annually. This estimate was based on projected impacts on industries essi Velica distuptions and btential economic

Date \_\_\_\_\_ iv Equity and Effectiveness: These were debates about whether the Protocol adequately addressed the needs of whereable countries and whether it provided Sufficient support for developing notions. The Protocol's approach to equity and effectiveness was often questioned by critics a CRitics -The Global Climate Risk Index 2023, Venks countries based on their Vulnerability to climate change imports. Nations such als Maiti, Mozambique and the Philippines consistently reak among the most unherable, emphasizing the needs for target equity based Support Conclusion: In Conclusion, the United Notions Framework Convention on Climate Change (UNFace) established Crucial guidelines for global climate action, focusing on emission stabilizing, differentiated Desponsibilities and support for developing nations. The kypto Protocol emerged as a neccessaly complement to coldress the UNFCCC? Cock of binding emission targets and to introduced market pased mechanisms Although it foced controversies such as the U.S. with drawf and issues of fairness and implementation, rud tal movemen Pastoco masked a Cultent Clima Fe di climate egacy in tooms Jame cy globa Commitmen leageosing aggeemer to efloxis international varan 40 Delinica Sustainable ans is satisfactory achieve work on presentation skills 9/20