Date: 00-00-0000 0000000 what is Environmental Follution? How pollution Assignment: contributes to global warming? Impacts of global worming on health sector of Pakistan? Inbroduction :-Introduction of contaminants into the environment by natural and cinthropogenic Sources cause unfavourable alteration of our surroundings. Pollutants are major contributors of global worming. Mining of coal and oil release methode in the atmosphere, nihousonide from fertilizers, emissions of Chlorofluorocarbons are the major lauses of global warming. Because of global warming's impact, Pakistan is suffering a high prevalence of poor health outcomes caused by heavy rains and floods. Children, the elderly, women, and homeless individuals, especially those living with poverty and diseases, are at high risk of morbidity and morality. Environmental Pollution :-The royal commission on Environmental Pollution in U.K in its third report gave the Following definition to the term "Environmental Pollution" nomely 66 The introduction by man into the

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environment of substances prienergy liable. to cause hozonds to human health to living resources and ecological systems damage to shuture or amenity or interference with legitimate uses of Environment. According to the section :1(3) of the UK Environment Protection Act, 1990, the 6) term Environmental Pollution means: 60 The release (into any environmental medium) from any process of substances which are capable of lawsing herm to - 10 by the environment." by the environment." Lauses of Environmental Pollution: je problem of environmental pollution, we face today, is a complex. consequence of forces connected with various interrelating factors. There are clearly a number of d divergent and conflicting views of what course be the basic factors underlying the environmental crisis. No single cause ean be considered as the mot cause of environmental impairment. However, the Following causes could be pointed as the generally underlying factors through each as these too could be operating simultaneously and their balance may Vary from place to place through time:

8)

0000000 D Population Growth Increased General Afflience and Ewrom Growth Nature of Modern Technology 4) Deforestation Agricultural Development Industrial Development Urbanization 3) Unplannece Urbanization Coal burnt Thermal Power Plants Poverty. 10) lonbibution of pollution towards . Global warming: Scientific evidence indicates that since 1950, the world's climate has been worming. primarily as a result of emissions from non-stop truming of fossil fuels and razing of tropical forests. Since the Industrial revolution till this day, there is a constant emission of the carbon into the atmosphere. It is a man - made cause of the global warming. Global warming is greenhouse effect is a process by which the greenhouse gases absorp thermal radiation; these are then reradiated in all directions. But when these radiations comebuck to

Mon Tue Wed Thu Eri Sat Sun the surface and the lower atmosphere It causes increase in the guerage surface temperature leading to Globulcuarming, Green house effect may also be equated with "Hot Car Effect" Without the greenhouse effect, earth's average temperature. would be -0.4°F(-18°C), Father than the present re 8 59°F(15°C). Global Warming Causes :. The causes are many of which the main culprits are: 1. Deforestation: It is responsible for 25010 of all the carbon emissions entering the atmasphere, by the burning and cutting of 34 million: acres of trees each year. Everyday, over Ssocacres 5. of rainforest are destroyed. As a consequence of marsive loss of forests, global carbon level 1 mg rises ~ 0.40% each year. 2) Population Growth: - There is a close relation between global warning and population growth. Today the large population on earth is using the technologies which are desmuchive for the earth. 801- of atmospheric CD increases are due to map?s use of fossil fuels in the form of coal, - 6. gas or oil. Aerosols: A erosol particles of human origin. an have a net effect of diminishing

0000000 the energy that arrives at the Earth's surface. Scientists estimate that particles produce of by human activities have led to a net los as solar energy (heat) at the ground by much as 8 percent in densely populate & areas over the past few decades. This effects sometimes referred to as solar dimming, may have masked some of the late 20th century global worming 4 Ice - caps and Glaciers: Ice - caps and glaciers reflect sinlight, bounding high temperature Summings back into space away from the carth when these ice-caps are removed, the Canth gets warmer as the dork oceans absorp much thermal radiation from the sun-CELLIJJJJJ CFCS: There is a strong evidence that emissions of chorofluorocarbons were the major cause of the recent abrimal worming. Like carbon, CFCs donot trap healbut in presence of liv rays the chlorine gets detachase from CFCS, drift up into the shabaphere and these unattached chlorings Catalytically convert ozone molecules into onygen molecules depleting the ozone layer. 6. Mining: Mining too code and oil release methane in the atmosphere. Moreover the methane in the atmosphere. Moreover the leakage from national gas Fields ance landfills are additional source of methans

Impacts of Global warming on health Sector of Pakiston:-As the work grapples with the difficulties posed by climate charge, it is crucial to understance has natural disasters and extreme weather events affect the delivery of health care services, Particulary in low-mome and middle-0 income countries (12MICs). llimate change in Rekiston is causing around 3,00,000 deaths every year in present scenario which is espected to escalate to 5,00,000 deaths by 2030. It are lead to changes in comparition of almospheric gases, change in hydrological cycle as well- limate change is seriously affecting himon health in Palcistan . Stress, bauma, and diseases repart from changing elimate and lead to mental disorders, TTTTTT decreased working espacity and even death. These effects can be divided into direct. effects and indirect effects. D Dired Effects:-Intense and frequent changes in temperature and precipitation in the form of cold and heatwaves, droughts, Shorms, Floods, land sliding and makeral fires can lause injury, illness and death 2) Indirect Effects:

Data: 00-00-0000 Due to changes in the environment and ecological conditions 2 there could be a decrease in the quality and yield of mops and market the availability of facilitems. There can be decreased availability of clean dranking water, the spread of water borne and vector borne o Empact of heatwaves and Natural Fires. Due to climate change, heat waves are CCCCCCCCC . more common in the cities of the country The entremely hat weather conditions, especially in Sindh and Punjab can cause dehydration, kidney stones, and Shoke. In Karichi, in 2015, there are were more than 1200 deaths. due to heats moke. Impact on Development of Chronic Diseases :-Palciston is among those countries which have the highest known rate of cardiovascular disease and diabetes mellitus. There are L'EFFFFFFFFFFFFFF Several lines of evidence in the literature which show the association of climate change with risk of Cardiovascular disease. It has been estimated that 521. of 68,200 deaths of children in Pakistan are due to acute hower respiratory infections because of household polkinon. International Diabetes Federation in its 2012 report has indicated that food insecurity and malnumition

higher temperature, heatwaves and polluti and weakened health system due to elimate change are directly crelated to the g bbal diabetes epidemics Impact on Risk of Development of Cancer: Due to climate change, tonic chamicals the are abundant in the atmosphere as well 2011 as in water. Increased enposure of humons re to these toxic chemicals can leave to 89 Various types of cancer such as lives fr Cancer, breastconcer, and lung concer. Pakistoni populstion is quite diverse in tems of ethnicity and geographical clocation. The prevalence of certain types of cancer could be as high as 31% (breast Cancer), 19.1. (oral cancer), 18.1. (gastric cancer) and 8.81 (prostate cancer) in certain region and ethnic groups. These high prevalence values of various cancers, also genetic factors, have been attributere to undesirable changes in the environmentso Import on Mental Health :the most common mental health impact of severe alimate events include depression, anxiety, Shers, sleep disorders, A couple of studies by LEAD, Palcistan highlights the changes in attitude and behavior of people affecting in

0000000 Rayanpur, Punjab following the increased Trequency of flooding since 2010. In another Case study by LEMB, Pakiston, it was shown on Tharparker (district of sindh) which had three back to back drough to sonce 2012, the suicide increased by 75% (24 cases in 2011 vs 42 cases in 2014). The survey also revealed that 57 respondents (310). of the sample) from Tharparlar claimer to suffer from extreme depression while 11(6. of the sample) said that they teel complete helplessners. Thus depression and a sense of heyolessness are part of the residual impact of climate change on the health of Palistani People. lonclusion: The causes of environmental problems are many. The multiplicity of causes makes its difficult to clearly decline the causes and consequences of environmental degradation in terms of simple one to one relationship. The causes and effects are often intervoion in complex webs of social, technological, environmental and political factors. well done ans is well composed and satisfactory 10/20