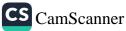
| Dos and Don'ts for Generaral Science & |
|--|
| Dos and Don'ts for Generarat aggience & |
| CAD ITY Paper |
| Hi here, you've cone well. Know that |
| ac a sift gethow edge is one thing and |
| reproducing it in paper acccording to what's a ked is an other. There are a few things I |
| |
| (A) What put like on highlighter floods? How |
| -Flop A 3 martin part requires tat least 2 and at |
| NOT HX 3 SI es of a paper. Know that there can |
| be two of three parts of a question and their |
| Mmarkevers of delease ordingly. So, address |
| |
| 1- Hoous on time man Junent. You get 35 |
| 1- Heavy Kan a just manner. 1- Hogus on time man Junent. You get 35 Manutes to solve on exquestion and about 8 |
| Leminutes plores mark part. Manage your time |
| accordingly |
| 2- River Overflow . 3. You need to understand that your paper is |
| a supposed to the more scientification |
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| ex supposed to took more scientific than wetheoretical. "So, and flow charts and ciagrams be where required." |
| A Vour bandwriting and postpace can be |
| 3- Deforestation and writing and neathers can be really impactful Avoid cutting and overwriting. |
| land'E og heitign tougher billingeter of reasing grammar |
| surface must a there's production in marks |
| Land'Foods on your spellings for your grammar. Suffere, m'GSA there's prodeduction in marks of but your expression will definitely create an |
| |
| 4- Climptect change: |
| 6. In ability portion, give explanation for ontainally tical ability question in words. You need |
| to understand that a 5 mark part requires all |
| steps written and explained. |
| |
| Good luck for CSS 2025. You're gonna rock |
| in sha Allah. :) |

(SB (GR) events, including havier rainfall and stronger stroms, increasing the frequency and severity of floods. S Glacial Melting: Accelerated melting of glaciers, espacially in mountainous regions, can clead to sudden floods. 1 11 Main Couses Of Floods 6- Poor Infrastructure: Inadequate or poorly mountained draunage systems and dams can fail during heavy rainfall, contributing to floods. 6 Floods of 2022 were different from the Super Hoods of 2010: 1. Scale and Intensity: The 2022 floods were caused by unprecedented monsoon rains? especially in southern Pakistan; leading to widespread devastation. The 2010 floods were also severe but primarily affected northern regions the to river overflows following havy rouinfall in the north. limate Charge: . 11 2- Affected Regions: The Zolo floods primarily



20) : 200 por an Imported the Indus River basing with the Acodwaters traveling from north to south, affecting a broad swoth of country. The 2022 floods, however, were 1 23 concentrated more in southern provinces like singh and Ballochistan, where the intensity of the rouns was much higher than Usual. 10/19 3- Climate Impact: The 1922 Hoods were heavily ned 15 Mitwended by climate change, whereas The 2010 floods were intense due to more predictable monsoon pattern. Hor and Recovery: 189 4- Humanitarian Impact: Bith floods caused massive distruction of infrastructure and displacem ent, but the 2022 floods ded to clarger displacement of people and Da more severe damage. 5 40 " KOLE OF NDMA (National Disaster Management Authority) The NDMA plays a crucial ex role in disaster management in Parkistan. responsible for coe It is anating rit and implementing dissits risk management activities at the national devel.



Prepardness:

NDMA works on disaster preparedness by developing early warning systems, conducting risk assessments, and organizing training and awareness programs for communities and local authonities

Responses

Rozz Floods, NDMP coordinates rescue and relief operations. This includes mobilizing resources such as food, water, medical supplies, and temporary shelters to affected areas.

Rehabilitation and Lecovery:

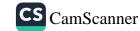
Post-disaster, NDMA is involved in rehabilitation and recovery efforts. This indicates rebuilding infrastructure, helping displaced people return to their hones and, ensuring that communities in pitter prepared for future disasters.

Coordination with International Agencies: NDMA also coordinates with

international organizations and higos to ensure that and markes the affected areas efficiently.

CS CamScanner

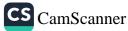
Conclusion: In both the 2010 and 2022 Floods, NDMA face significant challeness are to the scale of disasters havener, its pre coordinating refresherforts and vorking towards low-thom disaster reparedness and artification has been avoid in reducing the indust of such catastrophic events on the population, 04-8 Differentiate star and planet - How a star becomes a black hole? Difference between star and planet: STAR PLANET Composition A star is massive, A planet is a luminous sphere celestial body that primarily composed of orbits a star and s hydrogen and helium. primarily composed Through nuclear fusion of rock, metal, or it generates light and gas. Planets do not heat 3 making it self- produce their own light but reflect the luminous. light of the stor they or bit. Size and Mass Stars are generally phoners are smaller much larger and and less massive massive. Than stars. than stars.



Star produce energy Planets do not produce Inrough nuclear increase through fusion nuclear nuclear fusion. Stors go through a Planets do not have difecycle that a difecycle, they includes main sequen remain stabled ce, ned grant and over time. potentially becoming a white dwarf sta Light Emission Planets do not emit Stor emits light mal other electromage dight on their own mette molections due bot once visible due to nuclear Fusion to the reflection of occuring in their light from their cones: poment star. Star becoming a black hole: 1- Main sequence and steller evolution. A stor forms from a collapsing cloud of gas and dust. In its core, nuclear fusion converts hydrogen into helium, producing energy and keeping stor storble. 2- Red Grant Supergrant phase: star expands into a ried grant, fusing



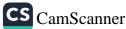
Havier equents clike helium into carbon na oxygen. 3- Core Collapsei In star ou Add diagramie suns mass, fusion rops at iron because it consumes every. Without fusion pressure, the core collapses rapidly under gravity. 4 Superno A: · (Oct) rate W Do gratourte collapsing core triggers a superiora, a massive explosion that ejects the star's outer layers. 5- Black Hole Formation If the core's memoring mass is above: 2-3 masses, it continues to collapse into a black hole, a point where gravity is so intense that nothing, not even light, can escape. Why atoms form Chemical Bonds? Explain Otel structure of water. Atoms form chemical bonds to achieve more stable electron configuration. Most atoms are stable when they have a full outer electron shall, aften following the "octet rule" of torming



ma rich Warning chemical bonds, atoms can share, gain or lose electrons to fill their outer shell, resulting in a more stable, lower -energy stater. There are three types at Lonces atoms could make. 1- Ionic Bond 2- Covalent Bond 3- metallic Bond Structure of Mater (H2O): Water is a molecule made up of two hydrogen atoms and one onygen atom, with each hydrogen atom Covalently bonded to the onygen. The molecule has a bent, v-shaped structure due to the Jone pairs of electrons on the oxygen atom, resulting in a bond angle of about 104.5°. +8 104.5° figure 1 **Explain** Figure: 2 properly



(14-D What are conductors semiconductors ---- 7 Conductors: Materials that allow the easy flow of electricity due to free moving electrons are called conductors example : Copper Semiconductors: Materials with electrical conductivity between that of conductors and insulators often used in electronics. example: Sillion Metals: Elements that are typically shing, malleable and good conductors of heat and electricity. Example: · with with so citle A Improfile Aluminum. lightneight and insulating. example: polyethylene. Plastics: Leramics: Non-metallic, incoganic materials that an typically hard and brittle



often used for insulation. Example: Porcelain : syalachara? Question No: 5 1 23 (21+12) 30 3 Part (a) Radio activity: Radioactivity is the process by which unstable atomic nullet release energy by emitting radiation. This emission occures as the nucleus of an atom tries to reach a more state state The radiation can be in the form of apparticles. beta particles of gamma rays. Natural Radioadivity: Origini Occures naturally in certain elements whose atomic nuclei are unstable. Examples: Uranium, thorium and radon are naturally radio active Occurance: found in the Earth' crust, atmosphere, and eve within liwing organisms. :25111579



Artificial Radioactivity: : 2 Matha en el Origin: Produced in laboratories or nuclear reactors through the bombardment of stable nuclei with particles like Diagram? Examples: Isotopes are imm-14 or Technotium-99 are artificially crather Purpose: Often used medical treatments, modustrial applicat s, and scientific Examples: Condusion: Matural reportivity occurs spontaneously in nature, while artificial radioactivity is induced through human-made processes. (15-1B) What is Poolio ---? Polio: Pollio is a contagious viral disease caused by the pollovirus, which primarily affects the nervous system and can lead to paralysis.



Symptoms: Rifferal Radioactivity; Mild: Fever, fatique, headache, some throat. Severe: Muscle weakness, paralysis, difficulty Breathing. Causes of spreading: Transmission: spreads through contaminated food, water, or direct contact with an infected person, especially in areas with pour sanitation. prevention: Hygiene: Regular handwashing and clean water Vaccination: IPV (injection) (intains a killed vivus, safe with no risk of vacuine-derined pollo. OPV (Oral): computers a weak-ened virus, strong community immunity but rame risk of vaccine-derined polic. Vaccine: Given in multiple doses during childhood as part of routine immuniza-tion to prevent polic and support global éradication efforts. Q#5-C A Trened Write the steps in Sodral Waiste management - - - ?



/ Steps in Solid Waste Management: 1 - Waste Generation, (1) Source identification: Identifying where and what types of waste are produced, such as residential, commercial, and industrial waste. 2- Waste collection, 2.1) collection system: Gathering waste from households, businesses and other sources using various collection methods and vehicles. 3. Waste Transport: 3.1) Transportation: Moving collected waste to processing or disposal facilities using trucks or other vehicle. 4- Waste Sorting: 4.1) Separation: Dividing waste into a tegories dike recyclables, organic, and non-recyclables to facilitate proper handling. 5- Waste Processing: Treatment: Processing waste through methods such as necycling, compositing or incineration to reduce volume and convert it into usable materials or energy.



Steps in Salid black Managements 6 Waste Disposal: 61) Landfilling: Placing non-necyclapho waste into donalfills where it is safely contained and manageol 62) Incineration: Buoning waste at high temperatures to realize volume and sometimes generate everyy. 7 - Monitoring and Evaluation, Wouste management practice and systems to ensure effictiveness and compliance with negulations. Main issues of solid waste Management in Pakistan. 2- Inadequate Infrastructure: (1) Collection and disposali Many areas duck proper waste collection and disposal eystems, leading to inefficiencies and environmental pollution. 2- Poor Waste soggetion: at the source makes difficult and dess efficient



| 3- | Increased urbanizations Panel urbanic |
|------|---|
| 199 | |
| | zation and population growth lovel have led to a corge in worste generation, straining existing worste management systems. |
| | generation, straining existing waste |
| | · management systems. |
| 5- | lack af Public ouvoineness: |
| | Flucation, limited awareness |
| | and education aboust worst monogenerit practices among the public contribute |
| | to improper disposal and waste |
| - | generation. |
| Qs | - D What do you? |
| | in 2 hours page with |
| | Population planning: Population planning refers |
| | to the strategies and policies implement |
| | ented to manage and control the |
| | sustainable development and improve |
| | to the strategies and policies implemented to monage and control the growth of a population to ensure sustainable development and improve the quality of life |
| | Benefits at Population planning. |
| | |
| -11- | - Economic Growth: Resource management : Helps in |
| - | optimizing resource use and |
| | distribution - |
| | |
| | |



Improved Quality of life and sustavable environment thet includes resource conservation and population control with enhance social services including public services and community develop-ment are the administry points population planning Balanced negronal development including Health Benefits, family planning, reduce overpoplation are the faltors that are beneficiary for a society. Ponerty Alleviation and economic opportunities with resource Allocation to support low income populations are addressed by population planning. It aims a strike a balanne nce between population growth and the capacity of the involument. and economy sustain it, thereby promoting a healthier, more prosper. ous society. 2tilaria A This much explanation is not required Try and understand that a General Science answer doesn't essentially require this much explanation

