Dos and Don Berior Behickaral Science & Ability Hi there, you've done well. Know that Muck T acquiring knowledge is one thing and reproducing it is paper according to what's asked is another. There are a rew things I would like to highlight. marks part requires 2 sides(not more pathaty of a paper Kingwithat there can be wordtiffree parts of auguestion, marks extendinged accommon Squaddress all of charge in diguest preunater change mitigation 2. Foels on the management Kothget 35 minutes to solve one question and about 8 minutes per 5 mark part. Manage your time required.

Legit developed conflices

It handwriting and ne 4. Your handwriting and neatness can be really impactful. Avoid cutting and overwriting. 5. Hocus omyour spellings and your grammar. Alweste funds there's no deduct cline change and a Theneway & explanation analytica, ability question in wo 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.:) **CS** CamScanne

	1: 10 0x vex amb.
	and climate recilience programe.
3.	Technology Transfer:
	1 .: 1 to be that transfer
	suttainable technologies promise
	Countries to developing and
17 17 1 10 (40.00)	developed countries to accelerate their
•	tignsition away from fossil fuels.
* * *	The state of the s
4.	Capacity Building:
	Provide a part by capacity building
	Provide support for capacity building
	initiatives in developing and least
	developed countries to enhance their
	ability to mitigate and adopt to
	climate change. This end involve
	training programs, knowledge sharing
	and building inditutional capacity.
· · · · · · · · · · · · · · · · · · ·	0 . 6 . 4
<i>ن</i> .	Nature - Based Politions:
	Promote nature - based solutions enchan
	reforestation, afficientation and
	sustainable and management practices
	to enhance carbon sequestration and
	biodiversity, conservation.

Climate Finance Mechanisms: Strengthen existing climate finance mechanisms such as Green Climate Fund and emploce innovative financing mechanicus to mobilize additional resources for climate action in developing and least developed countries. Adaptation Strategies: Develop and implement applacen strategies tailored to the eperfu needs and Vulnerabilities of developing and least developed courties, including measure to enhance food security, natic management, and diester relitience. Climate Justice: Ensure that climate action is guided by principles in equity and justice, taking into account the hillorical respensibility of developed countries for causing mate change and disproportions impacts, particularly in decoping and least developed contries, to foster greater underest-anding and support for climate action at all levels of society.

10.	Partnership and collaboration:	-
	Foster partnerships and collaboration	-
	between governmente, eivil society	
Star Star	organizations, the private sector, and	
	other stakeholders to mobilize collective	
	setting and recovered look addressing	
	action and resources for addressing	
	climate change on a global scale.	
	Por intelle sonting there.	
	By implementing these	
	meanier and fostering international	
	corperation, COP-29 can make	
	significant progreu towarde mitigating	
	the impacts of global walnung,	
	particularly the most vulnerable.	
	region of the world.	
	Lating acording to the basis of the second o	
	to stay of the said and	1
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Q2 Arteries, Veins, and capillaries are all vital components of the circulatory cyclem, responsible for transporting blood through out the body. Here's brief everview of their functions. Acterles ; Arterles carry oxygenated blood away from the heart to various parts of the body They have thick, muculail walls that allow them to with stand the high premice general ed by the pumping action up the heart. Arteries becaute into smaller versels. known as accioles, which further dutibute blood to tunes and organs. Veins: Veins transport deorgenated blood back to the beat from the body's times and ergos. Unlike axteries, veins have thinner wall and less musualistique. They also have one - way valves that help prevent the backflow of blood -

Veins geadually merge into Largee Vessels called venules, which ultimately return blood to the heart.

Capillares ?

Capillaries are tiny, thin - walled blood vessels that connect actives to venules. They form an extension network throughout the body's times and vegans, allowing for the exchange of nutriente exygen, and waite producte between the blood and commanding celle. Capillaries are the yeur essential processes en as gas exchange, nutrient

Incorporate diagrams as well

In summary, arteries carry exygenated Good away from the heart, and cappillaries facilitate the exchange of substances between the blood and body to time together. these three types of sloved versely ensure the proper functioning of the eirculatory system, supporting the body's metabolic needs and maintaining-Over all health.

Atoms form chemical bonds to achieve a more stable electron configuration, weally by filling their outer della melle. This stability acres from the tendency of atoms to attain a full outer shell, either by gaining, wing or sharing elections with other stams. Write in the form of points water is simple molecule consisting of 2- hydrogen atoms covalently bonded to me oxygen atom. The structure of water is characterized by a bent shope Is due to arrangement of its atoms and lone pair of elections. Hydroger Bud

	than hydrogen, resulting in	carrying 9
	partial negative charge (8-)	and hydroge
	carrying a partial positive cl	raige (S+).
X51	This polarity gives water	its Unique
	properties, including coneu	in i govern
20	sueface tention, and high	heat
	Capacity, which are energh	al for life
	processes and voicious environ	ilal
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•	T- 18	

Conductors; There are materials that allow the easy flow of electric current of free elections cample: copper (Cy) Semi conductors ? There materials have conductivity between that of conductors mangeous and can be controlled by imputites or applying voltage Example: Sillicon (Si). etals: Metals aire elements characterized by their high conductivity, malleability, and duraity. Example: Iron (1-e) Plastics; Plastics are synthetic polymers

	that can be molded into vaxious
	charge and have a will the
	application due to me
	distability and version
	Ex; Polythylene (PE):
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	Ceramics:
	Ceramics are inveganil.
	non-metallic materials that are typically
	brittle and have high melting points. 2
2/2	They are commonly used in applications
	requiring heat resistance deturcal
	insulation.
	Grample: Poccélain).
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	Available cources of renewable energy sources in Pakistan include:	
	sources in Pakistan include:	
	to be the second of the second	
	Solar Energy: Pakitan receives comple	
	Solar Energy: Pakistan receives comple sunlight throughout the year, making	
	solar energy a viable option for electricity	
	quietal en.	•
	CONTRACTOR OF THE PROPERTY OF	
	Wind Greegy: Coastal axeas and	
	region with high speeds you	
	significant potential for harneving	
	mind evergy.	
	Hydro clectric power; Pakutan has several	
	rivers and water resources enitable	
	for hydroelective paver generation.	
	Biomass Energy: Agricultural recidures	1
	organic walter and livestock menuse.	
	can be use to generale biomass energy.	
	Policy options to Utilize these	
	cenewable energy sources and evercome	
	the present energy crises in Pakittan_	

	Investment Incentives; Provide financial
1-	Investment ivicerates
	ne entire and las beens
	investment in tenewaste
	projecti, including sussides
	panels, wind trubines, and biomals
	facilities
	Part in the state of the state
1.	Regulatory Framework: Establish clear
	regulatory grameworks and streamline
	approval processes que renewable energy
	projecte to encourage private sector
	involvement and facilitate project
	development
	development
,	Grid Integration: Upget and expand
3.	the still solve the true to
	the national good infectiveture to
	accommodate the integration of
	renewable energy sources, energing
E Albaniel	efficient transmission and distribution
	y electricity generaled from solar,
, i.e.	wind, and hydrocoveces.
4.	Capacity Building: Invest in training
	Programs and capacity building initiatives
	to develop a skilled work force capable
1	- Copuste

of designing, installing, and maintaining renew able energy systems.

Enefite of renewable energy and encourage evergy conservation practices among the general population.

b. Technology Transfer : Facilitate technology
transfer agreements and partnerships
with international organisations and
renewable energy companies to access
advanced technologies and expertise for
the development of renewable energy
projects

Off Grid Solutions: Implement upfgai remaisse energy solutions, such as
energy systems, to provide
electricity to remote and underserved
areas where grid connectivity is limited
or Unreliable.

What are the available sources for Pak?

The Sun is a marrive, spherical stat composed primarily of hydrogen and helium gases. Its structure consist of several layers. 1- Core: The innermost region where nuclear busion occurs i converting hydrogen into belium and releasing enormous amounts of energy in the form of heat and light. Kadictive Zone. Surcounding the coce, this zone is where energy generaled in the core gradually more outward theorigh radiation. Convective Zone: Above the radiative zone, this region is characterize by convertive currente, ushere hot plame ruse the cadiative zone, cook at the sur face, and links back down. Photosphere: The visible surface of the sun, where energy is radiated.

	into space as sunlight.
ζ	Chromosphere: A thin ayer above the
	photosphere, where temperature
	photosphere, where temperature increases with altitud.
	· Strongle Salistan Lange
6.	Corona: The outer most layer of the
	Sun's atmosphere, extending indions of
	Kilometers into space.
T-A-C	Diagram?
	?
4	
	V5

Ceramie material is an inveganie, nonmetallic material typically composed of compounds of metallic and non-metallic elemente Yes, Ceramics can be recycled, but the process is limited and less common compared to other ma exials like metale and plantics. 16

24 Stirrup d. Anvil Semi-chular Anditory Fax drum Auditory Canal cuter Fac Middle Gail Inner Fax The human ear can be devided into 3-main parts Outer, middle and Inner ear. Outer Gaz; Pinna (Awricle Fair canal (Auditory Canal) Midelle Fax . Eax drum Tympanie Membrane Ossciles. Three small bone malleus, incu & stapes. 3- Innec Fail . Cochleg 17

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				the Lander
	[10] [20] [10] [20] [20] [20] [20] [20] [20] [20] [2			

Total increase in population = Final population Critial population 22,500 - 1800 = 4500 Average annual increase Total increase in 4500 Percentage increase per year = Average annual increase / Initial population x100 ~ 2.5% So, the population of the village increased my appr. 2.5% per year ever the decade.

Q6 Units produced by me mailine in me day = Total Units produced No: of machines x No: - 600/(20 x9) 600 180 = 3.33 Unite Now, let's find out how meny Units 18 - machines can produce in 12 - days. weat Units = Units produced by one No: of machine in one day Machine . Total Units = 3.33 x 18 x 12 39.76 units

16 1 kilometer = 1000m. Distance covered by 69 Km x loom the train = 69,000 m Time taken by the train = 45- minutes Now, calculate speed of cer -= Distance covered by car time taken by 450m 1 min 450m/min. peed of Train = train Time taken by 69,000 m Kation speed = 450 m/min = 0.2936 1533-33 m min The rated of speed is ~ 0.2936

G6 The perimeter P of a regular Pentagen with side lengthis is given by formula. P= 5. Given that each cide is 15cm, P= 50 x 15 P= 75 cm The preimeter of the pentagon 75cm. Proper explanation is required

BROTHER -> ODGSNOA SISTER " Each letter in ABCDEFMHI BRUTHER is TKLMNOP Q R Shifted forward Ly 2 - positions in STUVWXYZ the English Alphobet. some rattern to Now, applying the SUSTER UKUVGT STER is So, the coded wid Goil "UKUVGT

Q8 The differences between consecutive texms are increasing by a factor 3 - 1x3 = 3 . }  $4 \times 3 = 12$ 15x3 = 45 So, to gird the next term 21 + 45 = 66 0: in se vince Mexebore the milling le 66. 24

Nasele walked to feet Gast from point At B. Then walks 3 ft -right, Finally 14 ft - Right 14 ft Now, we have a right-angle triangle. Using Pythegorean theorem; Hypotenuse = Base + Height -= 102 + 32 100 +9 = 109 Aypotenue - - 1109 S= 28 2 10.49 So. Naiser is app. 1944 feet away from point A. 25

The average temp. of entire week is 33°C

4 4 first 3-days = 30°C

4 1 last 3-days = 35°C Let's denote temp on 4th day (in °C) Total temp: of entire = Average temp. of 4 Days . week 33°C x 7 day 2 23°C Total temp: of the entire = Total Temp: Total

week = temp: + on 4th + Temp

of first Day Lest
3-Day
3-Day lutal 231 = (30x3) + 11 + (35x3)231 = 90 +x + 105 231 = 195 + x = 231 - 195So, the temperature on 4th day is 36°C