	Dos and Don'ts for Generaral Science & Ability
	Paper
	Paper Hi there you've done well. Know that
	ATRACQUITING KNOWLEDGE is one thing and
	reproducing it in pape, according to what's
C. Barry	asked beanother. The are a few things I
	would like to highlight.
	A service of the serv
	max 3 sides of a paper. Know that there can
	betwo or three parts of a question and their
	Friparks are divided according to So, address all
	of there or it directly over their onto
	Land the is dry. Floods have many get 35
	minutes to solve one question and about 8
	minutes per 5 mark part Marage your time
	accordingly.
	3. You need to understand that your paper is
	supposed to look more scientific than
	theoretical. Some add flow charts and diagrams
	Mohere required. Natural
(0)	Att Vourbandwriting and neatness can be
(6)	really impactful. Avoid cutting and overwriting.
(0)	Girate Base vour spellings and vour grammar
رمی ا	Here, in GSA there's no deduction in marks
(2)	but vour expression will definitely create an
ef)	
	6. In ability portion over availant ion for
	analytical 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. :)

DATE : ___/___/____ KAUUL RIVER LUDUS (2010) + CTOMAL 1 2RIVER RIVER JEHLU CHENAB RIVER 2010) Flood lain Flood Plainob Indus in (2022) cause * Both had the same cause monsoon rouins were excessive." Land covered: T daties ?" . 2010: - 1/5th Total Land Area 2012 - 1/10th of total Land rea Death Destruction = 2010 : 2000 deaths : 20 million directly affect 2012 v 1730 deather 33 million appeded. Floods of 2022 were caused by excessive



DATE: ____ /___ /_ rainfall in the lower plains of the Indes. These were localized andrains that brought close to 800'l' more rain in Balochistan and 500% more rain in Sindh. These are primarily bland on Climate charge and global warmy. ROLE OF NOMA N BMA stands for National Disaster mangement Authority. The primary me of NDMA is to coordinate the post disaster response and to some extent ensure districts, tehnit implement pre-disaster miligation measure NOMA also works on icordinating with provinces to minignize the risk of disasters. UESTION 4(B) Atoms form mainly two types of chemical bonds: a) lonic Bond 5) Covalent Bond Ionic Bonds In the lonic bond, the exchanged electrons takes place from an at



DATE : ___/___/____ that has an affinity of electrons to an atom that has a deficiency of electrons. Example :- Naci Covalent Bond In this Bond, the mutual sharing of electrons between two atoms. As illustrated below, the bonds that water (H10) are covalent bonds. TRUCTURE OF H.D 6 Mtual Sharing O is an election definier atom/moleurle. It needs to complete its octet/in the p-shell it needs to have 8 fr. However, it pnly posses 6 electrons. Hydrogen also



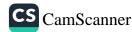
DATE : ___/__/___ on the other hand, and complete neede its duplet. If needs 2 electrons in its <u>s-shell</u>. The atom only possess one. Coualent bonding is mutually beneficial for the ons and gain both share the ele sterbility. 74(0) Example Definition Material Conductor Steel, A conductor is a Lopper materials that inon possess properity such as heat and electrical conductivity Semi- Conductors Siliun A remi-conductor is Gernarium a material that on its own cannol conduct heat or electricity but affer dupinette material can. Metals A material that-is malcable to has



DATE : ____ free electrons and Iron allow for conductivity and tough physical Steel. characteristics Plastics PVC. These are nonconductive, abrittle and non malcable materials. These materials deforms in Ma permanently alter their shapes. Bricks Ceramics It is a hard rulain non-reactive material, that is nei the metallicror Georgani 11is l corresion resistant. **(B)** UESTION ANET ARS



DATE : ____/___/ Size Stars are larger Planets are than planets . Sun is comparatively smalles than the Earstars. about 109 times the Earth. Composition Stars are composed Planets are form of various gases; solid particles and hydrogen and helium are a combination of all 3 jorns of matte. Temperature Temperature un Temperature on stars planets is partidarly Is particularly higher to support nuclear Ausion deactions on lower. them Ability to support life Porces the ability Do not Posses the ability to to support life. support life Alicity to Emit Right Emits lights and has the ability Does not have the assicity to emit eight.



DATE : __ _/__/_ ----------AR TO BLACK HOLE ¢ enter Internal Phersume (Fore of the Gravity Universe) Clas that push toache the graves ation Thermonudear reactions keep the Internal and external forces in equilibrius > Once the fuel runs out for the thermonuclear reactions, the stars collapse on thenselves 3 One to the force of the gravi The mass are concerned mars area. => This area is exerts a significants gravitational pull due to the Invesse square lau



_____ DATE : ___ --------Falmimz Vzt > This area is known as the black hole. JUESTION . 5(A) Radio Activity " It is the property of some instable atoms to emit nuclear radiation." says are emitted by the decay ,8 atom. the High Energy O BBradia Radio active - addicar Audeas 0 (Radio achie isolope O 8- radiation d-radiation Atoms will sponstaneously decay from their onstable radioactive isotope to stable



DATE : ____/____ isotopes. During this process, energy (radioactive) is released which is called rordiation. Difference between Nettoral And Astifical Radioadivity Artificial Radioactivity Natural Radioactivity Source Radioactivity is indduced by natural It is induced by human adjuities sources. Process Radiation is released Radiation is released when unstable notes when stable nuclei are bombared to decay into stable form make then instable selles off a chain reaction. place 1 Occurance Nature , Sun , and Nuclear Reactors, A Earths core. Atomic Bombs.



DATE : ____/___/____ \$5(B) olior It is a muscular skeketal disease that can cause paralysis in the lower body. It is spread due to the polico vinus and three types : Polio Type ! - 111. Symptoms & Polio is an asymptomatic disease. In some cases the disease may cause Sore throats , fever, However majority would not show any symptom. Cause of Spreading a) Poor Sanitary Conditions b) Poor hygiène standards c) Drinking/Eating contaminated del) Being in close contact with, Someone who has polo () Buching contaminated Surfaces.



	and the second second
Prevention	6336 X2
a) Vacu	ination
5) Ad	opting the correct
Jane	tation and hygiene
	alions.
C) Ensu	ving the source of
	/water is not containinated
	intaining excellent hygiene
	sersonal level.
1	
Vacine	Strand Contractor
a to make the cale make	
Va	cuine
OPV	
→ Oral polio	> hactivated polio
vacuine	vacin
+ oweaker	> Treated version that
version-that	cannot multiply
boostsand	aryonure
malkes the	-> cgiven through injection
virus recognizable	and the second second
to the body	a part interest
+ Liquid form	Contract States and Contract States
and oral ingestion	and the second second
is the method	



DATE: ___/___ UESTION S(C) NUOVLVED FP OLID WASTE ANAGEMENT Collection -Waste is collected from the designated locations. 2-Irans portate transfer from waste to processing areas. thes , Recover 3recycled or burned to produce energy 4-Processing Composting Decomposition nceneration Hemcomput. Anaerbi Waste is (organic) is used to into convert waste pos mal al. 5- Disposal The teltoner landfill to shored under the ground. Land fill:



DATE : ___/__/_ SSUES OF SWM IN Add some report PAKISTAN a) Lack of finances and anotherity of swird agencies b) Unaware of Environmental practices and resort to open dumping c) Lack of efficient processing centers d) Collection and transfer model begins broken. e) Public 13 unavare of sanitation and hygénic practices. QUESTION (1) OPULATION PLANNING It is the process at communities, governments take



DATE : ___ /___ /___ holistic view of their population and planfor the Juhre. This plan may endorse or discourage a population increase. It depends place to place and rigion to region For example, Japan is facing à population crisis due to that aging population. While Palvistan is facing a crisis of our population. Governments chart a course of action That manages the population of the country. Explain properly Bene Kills a) Resources are adeque 6) Crime and Sa Deviance can be effectively carled c) Health facilities are over burdened d) Employment can be guaranteed. c) Home lessness can be cerbed f) Migration patterns kan be reversed. g) growth (Indusive) can be acrieved.



GSAMOCK DATE : ___/___ SECTION - B(II) Question No.6(A) Solution & Enrollment in Jan'22 = 850 Enrollment in Jan 23 = 1120 Difference = 1120 050 = 10 students Stepwise 270 x 100 250 = 31.76% UESTION 6.(B) Age of Son = x Age of Man = Sn Two years ago, condition (n - 2)2 + (5n-2)2 = 114



DATE : ___/___/___ 2n+4 + 25n2-20n+4=114 => 22-=> 26n2-22n = 106 1.1.1 =) 2 (13n2- 11n) = 106 $13n^2 - 11n = 53$ -> 2(132-11)=53 Two Conditions 13n - 11 = 53n= 53 13n= 53 +11 = 64 if Son's ape is 13 n = 6953, the mani 64 ape would be n 13 965. which is impossible n = ... n=4.9 -> pres nt apr of on is 49 years and n= Sn -> Present of man = 24.9 years



DATE : _ -----UESTION . 6(C) Solution The number of heads = 48 Number of feet = 140 we know that both As animals have same number of heads and different number of feet (hens) 4 Let Number of feet n= 4 (coins). cow & for 48 (head) - Eq. () 7 n+ 140 + 4n = Xing Dby -3 = 96) 22n + . 67 3 - ing =140 +42 24 - 98 + 2n 44 2n = n= 22 4



DATE : ___/___/___ Put (4) in (1) n+ y=48 22 + y = 48y= 10-22 Y= 26 Number of hers = 22 Number of cows = 26 UESTION 6(0) Solution 40km/h 60 km/h -2nd 1/2 1 1 1/2 Car speed during lit halfsel Journey = 40 km/h Car spee during 2nd half of Journey - 60 km/h



DATE: ___/___/____ 60+4 Average 2 100 2 tr Km Average spece of = 50 km/h 九 car UESTION . OT(A) Solution let 'n' be the number juen Condition t50 = 60 => N 6 60 - 50 27 75 200 6 10 N n = 60 Checks 60 T 50 = 61 => 10 + 50 = 60 =>160=60 proved.



DATE : ____ -1_ UESTION 7(B) (olution Given Datas 16, 24, 34 40 The following series are all the multiples of 81. As shown below 811 = 8 812 = 16 813 = 24 814 - 32 815 = 40 816 = 48 However, in the series 34 is the odd one out because it does not appear in the multiples of 8. The correct version would be the above multiples GUESTION 7(D) olutions



DATE : ____/___/____ Given Data Even Day Tariff = 9000/ Odd Day Tariff = 1000/ Total Cost of Stay \$:30,000/-Day on which stay = 5th (odd) Sime Total cost of tacriff= 1000 7 2000 3000 Cost/Tariff = 30,000 30,000 10 juits / days Sinces the tariff was of 2 days 1012 -20 days Stay start on 5th 5+10 25 25th 0/ heck out date = the month' UESTION / Given Datas



DATE : ____/___/_ ------15m Tower height: 200 Distance from base Distance to top = 7 vom person position Figures 5 1500 × 20 m Apply Pythagorus Theore (20) + (15) いショ (325) + 400 2 725 x n=572 2. 29. 2m The distance from the pe position He pproxi mate to 10 pis a 29.92m

