Dos and Don'ts for Generaral Science & **Ability Paper** Hithere, you've he well Wow that acquiring know edgeis one ming and reproducing it in pages according to what's asked is an other. There are a few things I would like to high ight.

1. A 5 marks part requires at least 2 and at max select of a per. Know that there can be two or three parts of a question and their marks are divided accordingly. So, address all of theminea just mann theans 2. Focus on time management. You get 35 minutes to solve one question and about 8 minutes per 5 mark part. Manage your time accordingly. 3. You need to understand that your paper is supposed to look more scientific than theoretical. So, add flowcharts and diagrams where requiredumber is 60 4. Your handwriting and neatness can be really impactful. Avoid cutting and overwriting. 5. Focus on your spellings and your grammar. Here, in GSA there's no deduction in marks but your expression will definitely create an impact. 6. In ability portion, give explanation for analytical ability question in words. You need to understand that a 5 mark part requires all steps written and explained we add

8 out in sy we have to add to so it is different. tower? C). A tower Data $\frac{\text{hight}}{\text{hight}} = 15 \text{ m}$ base arial distance Sol So According to puthagorean theor m (hy)2 - (height)2+(base)2 $(hp)^2 = (15)^2 + (20m)^2$ $\frac{(hyp)^2}{2}$ 225m² + 400m² (hyp) = 625m2 taking square root on both side [(hyp)= ,]625m2 hyp = \(52 x 52 m2 = 59,52 So grial distance is 25m

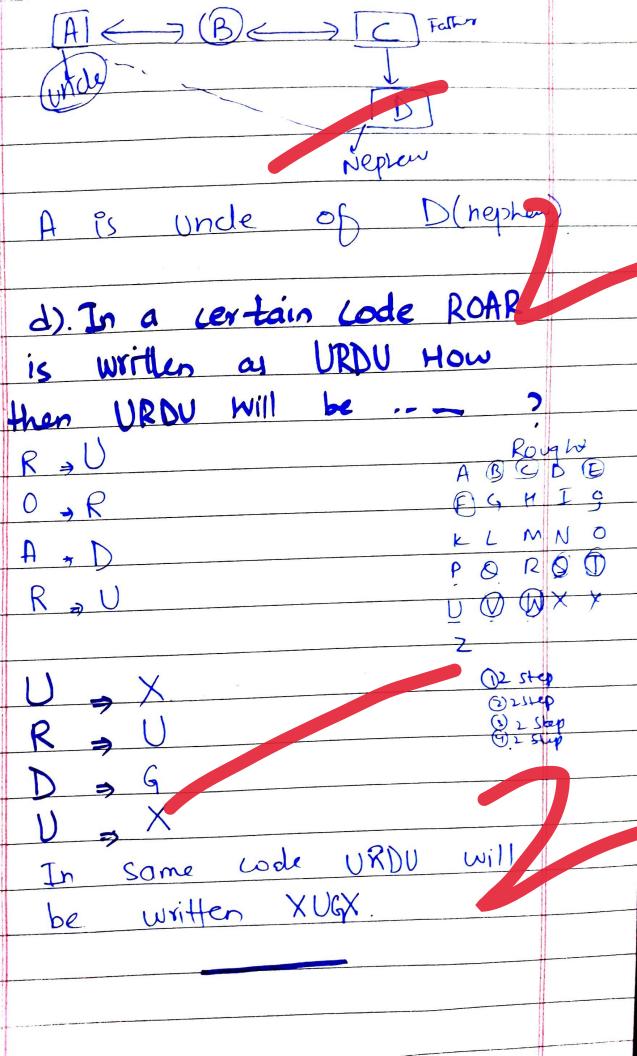
d). In a hotel .. 5th date of the month? Tariff for odd dates (5th 7th)= loss. Tariff for even dates (6th, 8th) - 2000 Total payment = 30000 Total days = ? Average of odd and even dates is = 3000 1500 average tariff of two days = 1500 total payment = 3000 from average we cartind no of days = 30000 +500 of days = 20 das Ans

1,...

a) Faisal .-Order new is like isosecles halls? triangle and its 700m Area = Xbxh b-blue of isosedes h = height from ap to triangle mixture. . added? Total mixture = 60 litre لي ratio of milk = 2 11/K = 2 x 60 = 40 ltre Waler: 1 x 60 is ratio new

the quantity of be added : be added Quantity of water 2(40) = 1(10 bolitre new quantity for 1:02 1. 94

male member?



Section I. QN0-4 a). What are main causes of 7100ds? How floods of 2022 were different from Superflood of 2010? Explain role of NDMA in this regard? Ans Flood is defined as the process where water Howing through Confined streams or other body Overflows submerge to great not usually affected by normal water How. Causes of floods The major causes of floods are Meteorological causes. Floods arises du to intense rainfall, Cyclines, somehow Storms and tidal Hydrological causes to global warning temper of earth encreases - alure

Somehow by climate Change. Intensity Intense but shorter 3 Intense & longer period lasting several period People 4) Approximately Weeks 20 million people (4) Approximately million people More entensive Economic 5This affect Jonly agricultural duding infras. and infrastructure fruct /housing of NDW or nationa disasters NDMA Stands They your NDMA monitor on rebuilding weather and any warning issues allert ra imp (5) Recovery to prepare people Plan plan Work with 2. (pordination Provinces and local athorities to manage situation Y ROUY LE 3. operation Resource 4 Worst help people ada Providing 700d and Shelter immidiately

b). Differentiate blw star and planet. How a star becomes a black hole? Star Planets 1. Composition 1) Stars are composed D. Planets are made of hygen and up of various nelium mainily elements including exist in plasma metal, rocks, gas and ice. State. 2. Energy 2 Star produces 2 Planets do not their own energy produce energy by nucleur Zusion. through nucleur Jusion. 3. Size. 3) They are big in 3) They are small Size 4. Shape They are dot They are sphire Shaped Shaped 5. Number OThere is only one oThere are 8 planets Star in solar system in our solar system

6.7	Twinkle.
Ostars twinkle in the	
Sky	twinkle.
7-01	bits.
1 7	stars due to
Steller Tructures and	gravitational
galaries.	attraction
V	

How a stars becomes a black hole. Stars more than six times as massive as our sun called Massive stars-Hydrogen is core of massive stars after only 50 -loo million years no hydrogen left. At this time were collapses and Star becomes loootines greater than orginal ree Known as Supergaiant second afford Sterno Supergaint inside Supernova

At the time SuperNova light of Star Lone much more than all other Hars of galaxy Great shell a gover ty only ting cove of Stars semain that contain only neutrons known as neutron star. It entrenely dense. Some time Supernova emplosor massive Stars become black hole Thus black hole is the last stage of life cycle of massive Why do atom forms bond Explain structure of water. Atom forms chemical bond For attaing two or eight electron in it outer--most shells entaing the gases. The form bond by different way · By gaining electrons

. by loosing elections . by sharing electrons Structure of water. The Structure of water is V Shaped. H 34 104 55 H 84 properly pointive charge hydrogen and partia egative charge onyger atom . gre angle loss c · 9ts bonding is Dals %×·Ö·×H → Ö· XH 9ts single coverlent of 50 H 1 Conductors. material Conductors are the having Free electron through

which current flow easily. For enample. · Copper vice in dédrical · Aluminium used in electrical transmission 2. <u>Semiconductore</u> Semiconductors are the materials that have electrical conductivity between conductors and insulators Their Conductivity can be changed by adding impurities or by temperature. · Silicon used in Golar cells and computer Chips Germenium Used in transistors and diodes. 3. Metals . These are solid at room temperature e of mercury Which is liquid at room ten erative . They have high electrical conductivity and are malleable

ductile. For example transition modals Such as . Gold used in Jewely . Iron (Fe) used in constructions and machinary 4. Plastics. . These are synthetic materials made from polymens . They are moldable and attain Varials Shapes . They are poor conductors of heat and electricity . For enample Polyethylene used in Plastic by, bottles and container (Polyveryl Chloride) Hoorige Cable roulation as Ceramics These Jave inorganic non methalic solids made of Clay that been Shaped and hardened at high temperature

bricks, plates and For example glasses.
They are insulator of electricity Q5. What is radioativity? Differentette blw natural and artificial radioactivity. Radioactivity The phenomenon in which the nucleus of the atom an element undergoes spontaneal and uncontrollable disintegration and enits x, B or gena rays Natural radioactivity. Natural radiocilinity y ters to the Spontaneous emission of radiation From naturally occurring radioatine materials.

V	[)a(c:
	Artificial radioactivity.
	It is the process in which
	a Stable nucleus is changed
	into an unstable nucleus by
	bombarding it with appropriate
	atomie projects like a, neutrons
	, proton s.
	For enample.
	13 -N -> 14 - + e
And the second	6
	12 + He > 0 Per + x rad.
the street of th	6. 5

OLIO. polio. an diseases Polio es by virus that mainly nx brain nerves in spinal cood in Its most severe form polio lead to a person unable paralysis Called ymptoms

Day MUMUI Quise total paralysis in milti. of hours Initial symptoms, fever, nousea ache falgue, vomiting stiffness in neck and pain in the limbs Polio mainly affect Children
Under 5 years of age
Causes Polio 95 (aused by virus called poliovirus. It infects your thoost and interine causing the like Symptome It is then spread to your brain & spine causing How does polio spread. 1 not working hard after going to bathroom or changing diapers
Doinking containnated water or getting it in your mouth Swimming in contaminated water Being in close condad with

Someone with polio. Prevention The best way to prevent polio is vaccinated. It usually done in childhood. 25 you did not get vaccinated as wild than contact help provider. Vaccines Tub types of vaccine
IPV (Inactivated ",) (Injection OPV (Oral poco 'vaccine) Children faice IPV Vaccine Fist 2 moths old. third 6-18 month's old 2 44 4- 6 Jars old Adult 2 dose one to two moth apart 3,0d doge 6-12 moth. (1)

olid waste Management Syst er G Transpos Lanfill) Tredatment

Key Issues in solid waste managment in Pakistan. According to environment protection and climate change dépastment Govt of Punjab Solid waste generation in pakistan ranges 0.283 to 0.612/9 Capita day. & waste growth generation 12.41. per year. Key issues orac.

Day: waste collection no System dumped types of Efferent collected gry no Controlled Sanitary aware People relationship waste usposing 9 nvironment &