Dos and Don'ts for Generaral Science & Ability **Paper** Hi there, you've done well. Know that acquiring knowled e is one thing and Gebrodusking it is paper accounting to what's asked is another. There are a few things I SECTIONED like to highlight. . A marks part requires at least 2 and at max 3 sides of a paper. Know that there can be two or three parts cita question and their marks are divided accordingly. So, address all human being he with aloms in a just manner.

With aloms 2: Focus on time management. You get 35 to gain minutes to solve one question hand about 8 vounce exteordingiven the atoms resultain in Fination 3: TY ou no care and and a stanger is French wsuppost ofto gook more estrentific through shell ruletheory intall 350% and 11 Memarts earld thiagrams ideally heard required alons . Every atoms tries to gain of the Your department of the neathers stown be For mareaphyproparetful. Arreid gutting and overwhiting. doe5. Fracius onayour spellings and your grammar. stallerea in & SAR there's no deduction in marks oxygen inhoacterming covalent bond. Hydrogen atom

muhual of Inability partion give explanation der has exygen analytical ability question in wonder Yourneed to understand that a 5 mark part requires all

steps written and explained.

GN0:3

ideal

Good luck for CSS 2025. You're gonna rock in sha Allah.:)

Address both parts of your question

so store the oxygen atom's two unpair electrons do mutual staring with sumpair electron of two hydrogen atoms forming to convalent bonds between them as given be we

H2000

(6)

Doping: Semiconductors are the materials which partially conduct & electricity more than insulators but less than conductors. To increase their power of conduction impusities are added to the semiconductors that peacess is called dopping. These are two types of doping. 1 N-type doping

@ P-type doping

N-Type Doping = When pentavalent atoms like Ar Antimony Assense etc are added as an impurity to the semiconcluctor like selenium, silicon, germinium that is called N-type dapping. Four atoms of the pentawakent atom form mutual miles with atoms of the semi-conductor one commanded eleten termains that will be responsible for conduct of electricity

(ii) P-Type Doping = When a tevalent atom like boron is added to the semi-conductor like assenic, selenium this is called P-type Doping. Three valence electrons of trivalent extrematom form bond with valence electrons of semi-conductors creating a blank space which will act as positive charge and when we apply potential difference that positive charge will move resulting in the movement of electric charge from one place to another.

Different types of ceramics Ceramics are the materials that are solid, non-metallic

and non-conductor of electricity. There are two ajor

Types of Cezamics.

1) Crystalline reramics

(2) Non-crystalline ceramics

Czystalline ceramics: These are the meterials which can't be undergone through various levels of processing

Non-crystalline ceramics = These are formed from metts for example glass.

(c) Merits and demerits of Global warming

With the passage of time humans have emploited the natural resources especially non-renewable energy sources like coal, oil, deisal, natural gas etc. There are many factors susponsible for the global wasming for example mass deforestation, burning of fossil feels, Rapid usbanization, tapid industrialization and lots of more. If we enlighten the merits and demerits, the side of domerits is also heavier. Dements of global warming include lasing temperature levels of the world for example according to global methological report temperature in thing was recorded 52°C and that of London was 40°C in 3033 these were highest recorded temperatures of these areas - Raising temperature are giving heat strokes which are fated, killing hundreds of people every year, adversly effecting agricultural production especially last year haved temperature cause melting of glaciers. Total frosh water in the world is only 3%. in the form of ice and running water also melting of glavers will heduce levels of feest water in the world. Filtering of mixed water will require heavy investment, which the world court apport. especially developing countries.

On the other hand, if see merits of gobal warming lary are very few like higher temperature in colder areas increase their productivity rates, earlier springs increase the train of cultivation and more food production. However, we should take measures to reduce global warming like increasing use of thenewable sources like solar, wind, take the instead of mon-renewable, lower that level of green house gases, reducing burning of hydroxarbons used as four especially old engines should be banned, worning on reforestion etc. So that the world keeps

Poliomyleitis

Poliomyleitis is a visal discuse caused by polio visus. Polio visus has three variants

1 Polipvisus Type 1

3 poliovisus type 2

3, polio vieus type 3

It is an acute ceipling discuse. It spreads through mouth. Vieus enters into the mouth from where it travels to the tonsils and then into lymph nodes of the respiratory teach. Polio has various types depending upon how the vieus espects parts of body.

Abostive poliomyleitis: when person is infected he spets.

Symptoms of headache, sorethroat, malaise, fever, nausau,

vomiting etc

symptoms of abortive politionyelitis patient has neck stippnen. It presents like asepte meningitis at These is no paralysis

Pasalytic poliomyleitis: In this type miles directly hits on nervous system causing muscular pain and paralysis of limbs

Bulbur poliomyelit: In this type views attacks on neurons of brain stems may result in respisatory and heart

failure.
The diagnosis of polio is done by through
cultures, stool sample or defection of antibodies this

the blood stream. There is no treatment of polio once it effects the body - Some measures can be taken like exercises can help

fucing socio-economic, political and cultured challanges.

Due to poor governance, lack of whole and coverage,

several myths like people say to valline steerlives

the children so a future they will that no longer produce babies and some people claim that they are chips

from western side installed in them. There is no safety of polio vaccine learns they are being attacked several times.

Incse are some major challanges in Pakistan for exadications of polio - from the Pakistan.

S NO Y

(a) Bile

Bile is juice produced from liver, stored in gall bladder. It nelps in digestion, absorption and emulsification fats and encetion of waste from body. But has no encymes but it contains bile salt, bile pigments, cholestrol, phosphorus, Bile pigments like bilizubin, biliverding give it green color and if they are stored in larger quantity they cause journative. Bile also alkalanizes the acidic good that comes from Stomach with the sintestine and kills the mirro-organism if present.

(b) Rok of Kriedney is exection

Hidney is the major organ of excuetion of notrogenous waste from the body which are very harmful is accumulated the basic functional limit of kidney is nephron - hidney has millions of nephrons . Blood from body enfers enter into kedney through remail coskey. Then it enters glomerations (Bunch of cappatieies) has blood it filtered and passed to the preximal convoluted hibrar (PCT) them loop of Henli and district convoluted hibrar (PCT) them loop of Henli excueled and water and is are reabsorbed back into the body. This weste particle from blood enters through useder and then exceeded out of body. Through useder and then exceeded out of body. Through useder and then exceeded out of body through usedera. Kidney also helps contain of blood pressure in the body, at her by balancing electrolytes and exception of the waste. Add diagrams and explain properly

(c) Different methods of solid waste management

Solid waste managment is one of the major psublem to tackle the peoblem of polletion. Solid waste managment has three stage.

- 1 Collective stage
- @ Recovery process
- @ wask Disposal

- of waste It requires heavy investment but if we cooperate it can reduce the cost. Whole waste is cooperate it can reduce the cost. Whole waste is collected at a point . Primary responsibility of collection of waste is of government but we can also give this responsibility to private sector. It iquires staff. The work of garbage collection is not accepted in the society they should be encouraged by giving higher incentives, facilities of home, education so that people accept them. After collection, charbage is taken at a transfer station.
- Recovery Peocess: Here at teamsfer station, waste is

 Segregated segregated into recyclists and non-recyclable.

 The waste which can't be regiled is disposed off and

 that or recyclishe is regiled.
 - 3 Waste disposal Disposal of waste Add diagrams methods.
 - et an area . It this method is unhealthy, unhygeinic It should not be promoted
 - (n) Composting= 21 de controlled decomposition of organic
 - (iii) Incrination= It is the decomposition of inorganic waste through incrinators
 - (iv) land fill method: 9t is a method in which wask

- (d) Define the terms:
- 1) Anomia: Anemia is a condition of low haemoglobin level in the body.
- appendentis Appendicitis is a condition of inflamed appendent. This inflammation is due to infection of the appendent
- (lii) Spleen: Spleen is a human organ present in left side of the upper abdomen close to stamach and panagers. The function of spleen is to store, and filter the blood and produce white blood cells that provide immunity to the human body.
- (iv) Myopia: Myopia is also called rear-sightedness.

 It is a condition of eye on which a person can't see distant objects (learly.

 Add diagrams
- (v) Isotones: Isotones are those atoms that have similar number of neutrons in there is nucleus for example C1-37 and Argon-38 are isotones having similar neutron number.

SECTION-I

3 NO26

(a) Ratio of block

A: B: C:D = 4:7:3:1

If number of A = 50+C

number of B = ?

Solution

1et, A= 4x → (i)

B=74 -> (11)

< = 3× → (iii')

D= X _ (iv)

As given above,

A = 50 C

From 9(1) 4 (iii)

Mn = 50+ Sn

N= 50

From eq (ii)

B= 7x putting the value of x

13= 7(50)

B= 350 blocks | Any.

(6)

Original witz 80\$

discount = 15%

sclex tax = 10%.

Final peice = X

Solution:

1st we will fund discounted price:

M = 80 x 12

1 = 12.5\$ is the discount on 80\$

For sales tax

80 × 10 = 8\$

- we will substack the discount and add tax from original price

x = 80\$ - 12.5 + 8

Y = 75-5\$ -> Final price

(<) distance blw 2 stops = 42 km

Speed = 36 km/hr

departure time = 4pm.

assival time= >

a train ravels 36km in in then, 42km 13 10 36 x 4g = 70 min

the tain will assive at 5:10 pm So

(d)	
Jumphed w	
(4) tenin spected	(it) hweli
7	White
superintendent	
97	
$(a) 8 = 3 \alpha cm$	
$h = 1m = 100 \mathrm{cm}$	
Volume of Cylinder=2	
Sal	
$= \sqrt{\lambda_3} h$	
V= 3.14 (30) \(\frac{7}{2} \) 100	
V= 3-14x 900 x 100	
V= 289 600 (m)	
V= 2896 m3	
(b)	
average = 15 cars	[X=3]
9: b: c 3:5:7	
1ct a = 04 ->(i)	To fond age of young ext boy
b=5x ->(ii) C=7x ->(iii)	put value of x an equi)
-+X ->(III)	(= 3)
AVEN A CALLAC	C(2/3(3)
average= 9+6+c	9=990 5 (Ans.
15 = 3X + 5X + 7X	
3	
15 = 15M	and the state of t
2	And the state of t

(4)

i) 8, 19, 59, 151, 447, 11 33 99 296.

> wrong number in above to is 447 It should be 262

(11) 11, 13, 17, 19, 23, 35

sides of teiongle 5cm, 4cm, 6cm (d) each angle=?

Alc to law of cosme

GOS C =

To find A

 $CodA = b^2 + c^2 - 4^2$

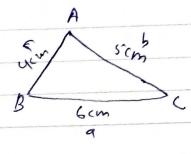
 $coA = \frac{(5)^{2} + (4)^{2} - (6)^{2}}{2(5)(4)}$

CosA = 95+16-36 = 41-36 = 5

(2) A = 5

A= cos' (5)40)

A = 73°



To find B,

(a) B = 92+ (2-b2

 $=(6)^{2}+(4)^{2}-(5)^{2}$ 2(6)(4)

412×4

B= 4051

had angle of triange is

120° C= 180-43.6-73 [C= 63.40]