

Dos and Don'ts for General Science & Ability Paper

Hi there, you've done well. Know that acquiring knowledge is one thing and reproducing it in paper according to what's asked is another. There are a few things I would like to highlight.

1. A 5 marks part requires at least 2 and at max 3 sides of a paper. Know that there can be two or three parts of a question and their marks are divided accordingly. So, address all of them in a just manner.

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 required.

4. Your handwriting and neatness can be really impactful. Avoid cutting and overwriting.

5. Focus on your spellings and your grammar.

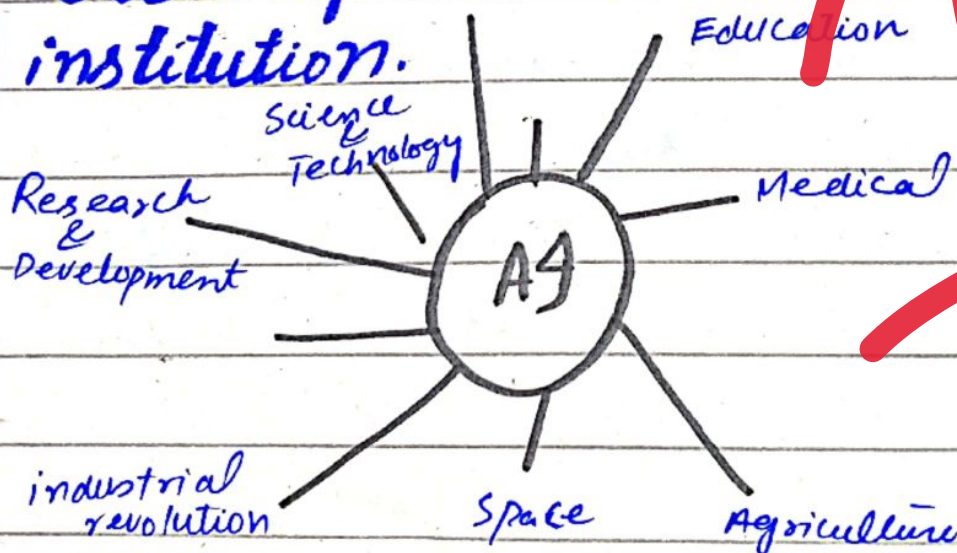
Here, in GSA there's no deduction in marks but your expression will definitely create an impact.

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.

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

within seconds. According to my opinion, it is the shape of new world that can change the life of human being effectively. AI used in every era of life to solve challenges, diagnose diseases, enhance the efficiency of products, to govern the state with law and order. By using AI, mistakes can be minimized or finished.

Uses of AI in State's institution.



b. CPU is the brain of Computer, how it resemble with human brain in working.

Answer:

Central Processing unit is the brain of computer because it control all the function of computer. It gives information to the computer through keyboard, mouse, scanner etc then CPU read, interpret the information and give an output. Similarly, human brain is working like a CPU. Because brain is the master of all body function. The message send through nerve cell or neuron, body receive that message, and act like the instruction that is come from the brain. Brain can enhance the activity of the body and diminish its activity. Same as it is, Computer can

increase its efficiency and decrease its activity through the instructions that come from the CPU. That's why CPU is called the brain of computer because it is responsible all the activities of computer.

Q 2

C.

What do you mean by balanced diet? Deficiency of vit A, B, C can result into what type of imbalance in human body.

Answer:

~ Balanced diet ~

Balanced diet is defined as; diet in which all the essential nutrient, vitamins, minerals, proteins, lipids are found. In human body, two kinds of nutrient is

d.

Working of optical fiber

Working of optical is based on total internal reflection.

Total internal reflection defined as in which light rays hit into the glass wall. Some rays are reflected, and most of rays are refracted. Then it form image. The whole process occur in glass tube. Light rays never come outside the glass.

GPS:

It is "Global Positioning System" which navigate the position of the body or place. GPS works on the basis of satellite. In one GPS, three satellite working at the spot.

How 2D & 3D location are measured by satellite.

2-dimensional and 3-dimensional location can be measured by GPS. 2D & 3D location measured, when satellite revolve and its

Explain through diagrams

connected to the internet of mobile. When mobile location is switch on, then satellite recognize the area of mobile. The other satellite identify the nearest place of mobile/ user-location. The third satellite tells about the exact location of mobile or user.

Question # 3

a- Why atoms form chemical bonds?

Atoms form chemical bond to get stability. Every atom want to be stable by completing its valence shell.

An atoms complete its valence shell by duplet and octet rule and gain the stability of noble gases

Covalent bond in a water molecule.

Water molecule complete its valence shell through sharing of electron. Covalent bond is formed due to sharing of electron. So, water molecule make a covalent bond.

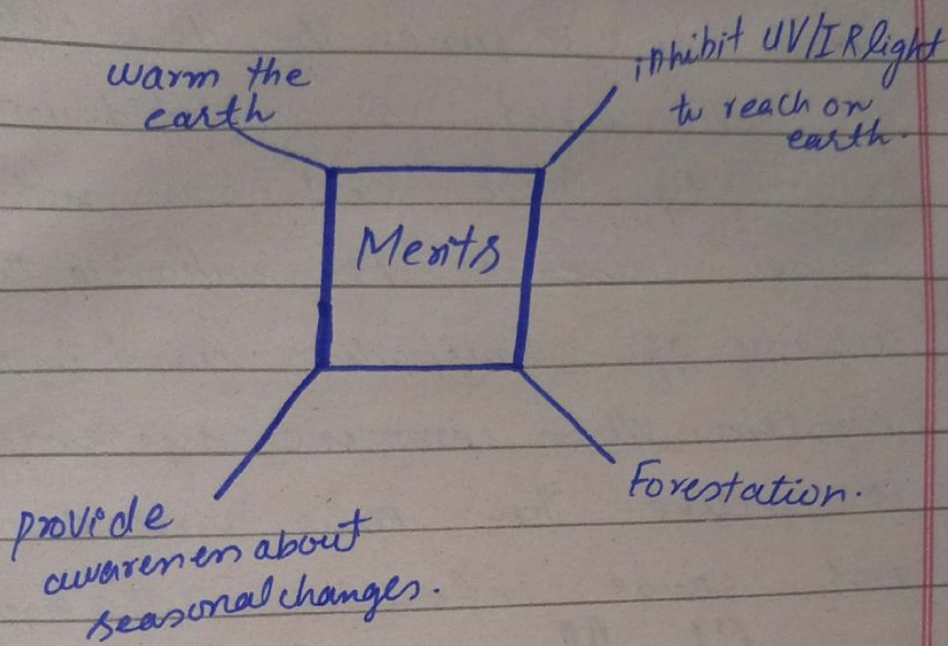
b- Doping

Doping is the process which is occur in semiconductors. When a metal is vacant with proton or half filled then in another circuit the metal is filled with protons. it is called doping.

Types:-

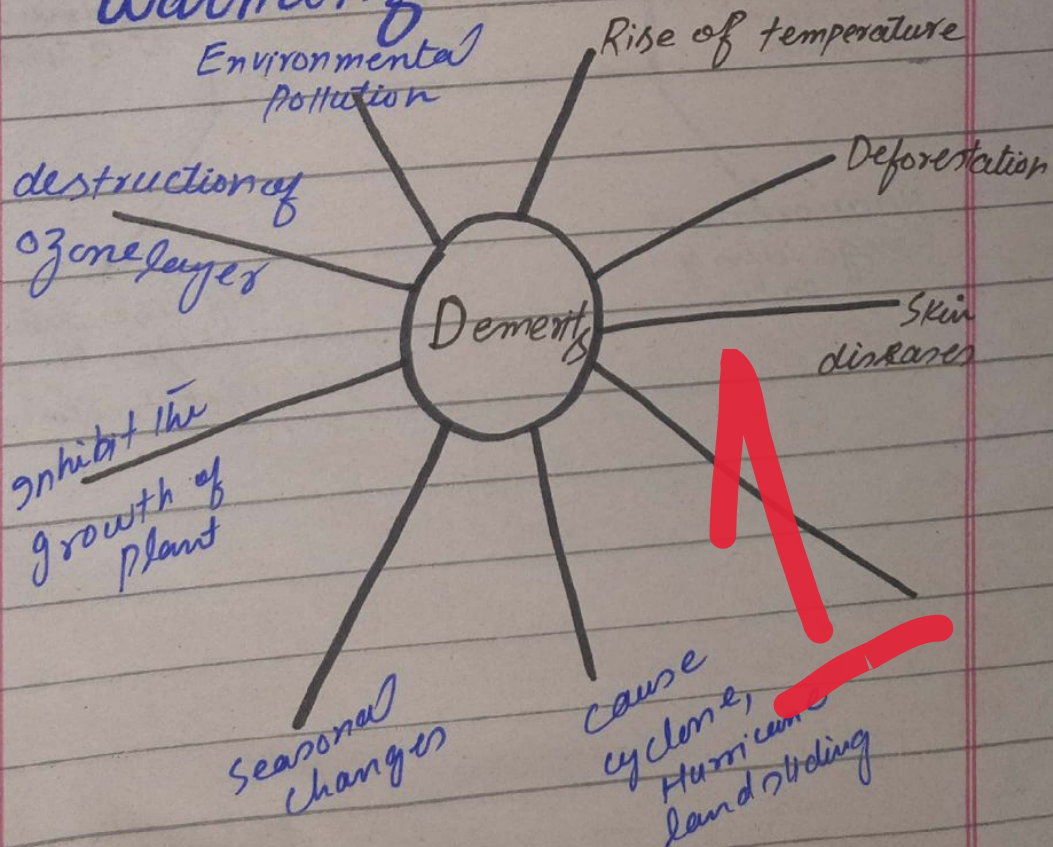
Different types of ceramics are bone china, porcelain,

C- Merits of global warming:



Properly address the question

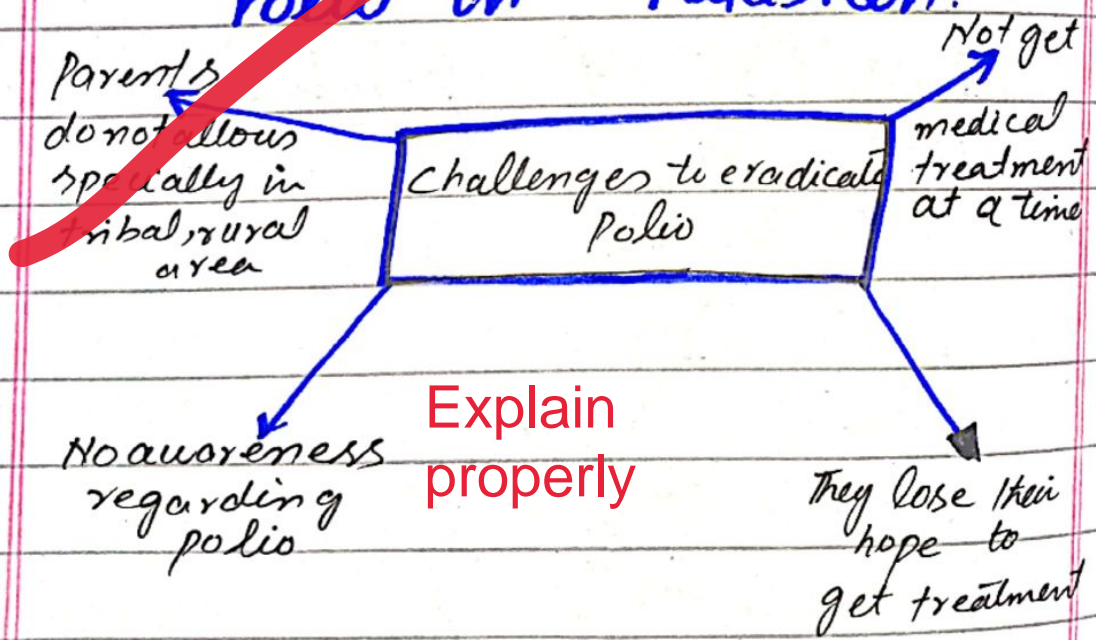
Demerits of global warming.



d. Polio:

Polio is a viral disease. It occurs due to virus. It can be cured by vaccine. The dead cell of polio virus is injected into the body. These cells cannot cause disease, but they enhance the activity of antibodies and the immune system. When the immune system is active, then polio virus cannot cause infection in the body.

Challenges in eradicating Polio in Pakistan.



Explain properly