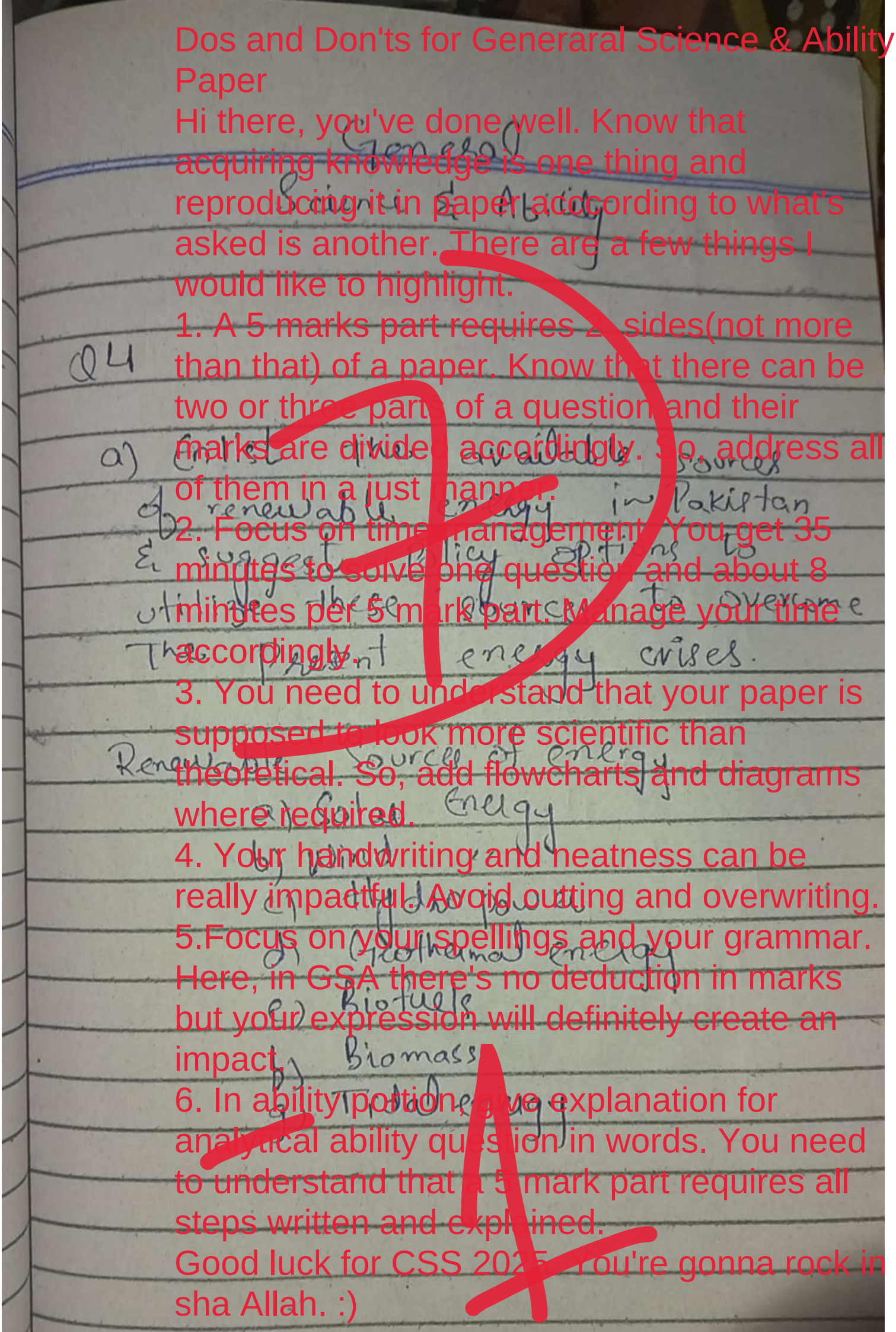


Dos and Don'ts for Generaral Science & Ability Paper

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 2 sides(not more than that) 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. :)

Policy Options:-

a) Price-setting and quantity-forcing policies

b) Donot waste them, instead utilize them again & again

c) building energy codes

d) financing incentives & program

e) comissioning & retro comissio

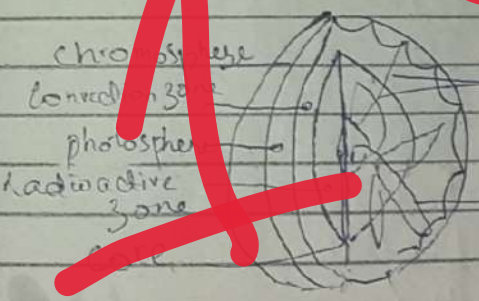
f) state & local goverment can implement distributed generation policies & programs to help overcome market & regul[illegible] barriers to implementation

b)

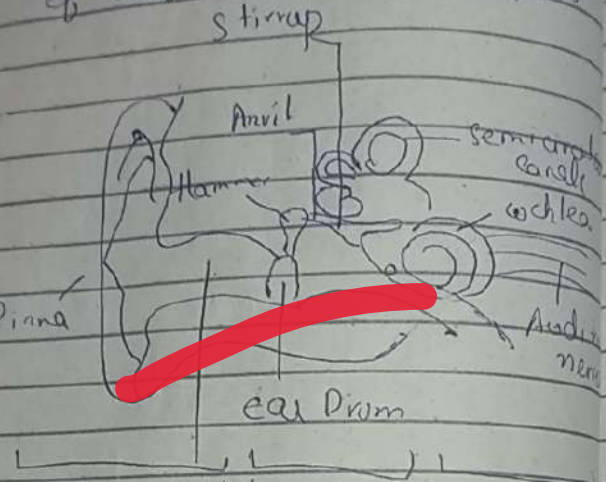
Structure of Sun:-

Proper explanation is required

1) Core
2) Radiative zone
3) Convective zone
4) Photosphere
5) Chromosphere
6) Corona
7) Sunspots
8) Granulation
9) Prominence



d) Draw & explain the structure of ear. Also label its parts



Outer ear | Auditory canal | middle ear | Inner ear

Explanation:-

Human ear contains sense organs that serve two different functions:

- Hearing
- Postural equilibrium & coordination of head & eye movements.

Anatomically

- three parts of ear
  a) Outer
  b) middle
  c) Inner

Make proper headings

Outer Ear:-

visible portion called auricle, or pinna which projects from head side & short external auditory canal, The inner end of which is closed by tympanic membrane. called ear drum

Out ear Function: To collect sound waves & guide them to tympanic membrane

Middle Ear:- a narrow air-filled cavity in temporal bone.

it is planned by a chain of 3 tiny bones
a) malleus (hammer)
b) incus
c) stapes

Q) What is ceramic material, is it possible that ceramics can be recycled?

Ceramic Materials:-

Ceramics are more than pottery and dishes. Clay, bricks, tiles, glass and cement are well-known examples

A ceramic is any of the various hard, brittle, heat-resistant & corrosion-resistant materials made by shaping & then firing an inorganic, nonmetallic material, such as clay, at a high temperature.

Examples are earthenware, porcelain & brick

Yes they can be recycled into a [illegible] useful products, diverting waste from landfill & decreasing emissions & toxic outputs used in the production process.

Q5)

a) What is artificial intelligence & is it possible for AI to outsmart humans?

Ans: AI is the simulation of human intelligence processes by machines, especially computer systems.

Specific applications of AI include expert systems, natural language processing, speech recognition & machine vision.

Yes it is very true that it is capable of humans, as it continues to evolve its achievements closely mimic human intelligence in sense of understanding reasoning & learning. However there is cause & effect with these innovations & the significant advancements our people from humans in specific tasks.

d) What are the benefits of balanced diet?

a) Energy
b) Disease Prevention
c) Immune System
d) Boosts mood
e) Controls body weight
f) need disease
g) rejuvenate skin
h) Digestion

i) sleep
ii) Diabetes

c) Explain Carbohydrates & its types.

Carbohydrates are sugar molecules. Our body breaks down carbohydrates into glucose, as it is the main source of energy for your body's cells, tissues & organs.

They act as energy source help control blood glucose & insulin metabolism, participate in cholesterol & triglyceride metabolism.

Types:-

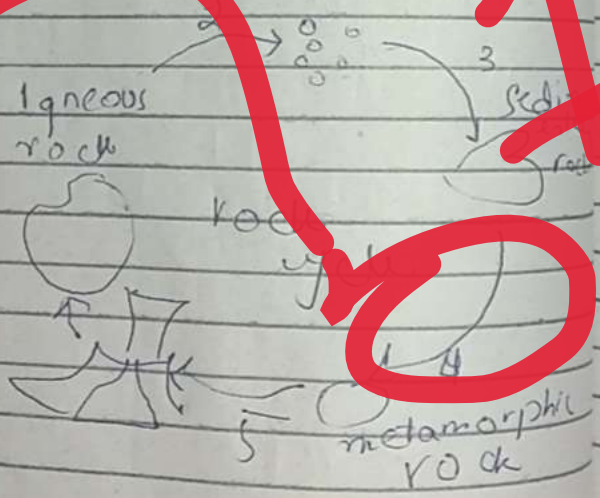
a) Starch b) monosaccharides
c) Disaccharides d) glycogen
e) galactose f) [illegible]
g) cellulose h) [illegible]
i) rice j) [illegible]
k) vegetables l) polysaccharides
Sucrose, fructose, lactose

b) Define rocks formation, rock cycle and different types of rocks.

A rock formation is an isolated, scenic or spectacular surface rock outcrop. They are the result of weathering & erosion sculpting existing rocks. The term can also refer to specific sedimentary strata or other rock unit in stratigraphic & petrology studies

Add headings, question number etc

Rock Cycle:-



The rock cycle is a web of processes that outlines how each of the three major types - igneous, metamorphic & sedimentary - form & break down based on different applications of heat & pressure over time.

Vague!

Types of Rocks:-

a) Igneous rock
b) Sedimentary
c) metamorphic
d) rocks
e) Basalt
f) Sandstone
g) Granite
h) limestone
i) Quartzite
j) marble
k) schist

Section 2

(05)

a)

SISTER

b) 84 Ans

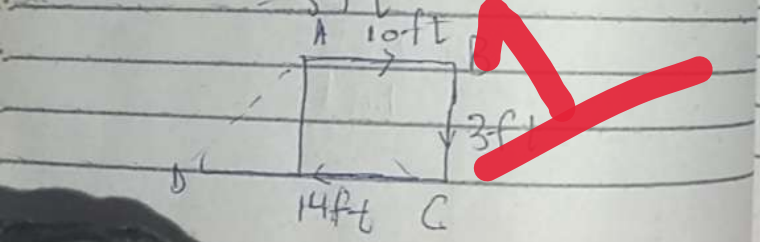
Solution:-

required distance = AD

$= \sqrt{(3)^2 + (\quad)^2}$

$= \sqrt{\quad + 16}$

$= 5\text{ft}$



d)

X = first 3 days average temperature = 30°C

Z = last 3 day's average temperature = 35°C

Y = 4th day's temperature = ?

$\left(\frac{X+Y+Z}{3} = 33\right)$

$30° + Y + 35° = 99°C$

$Y = 99°C - 65°C$

$= 34°C$

Q6.

a)

Population increase in 10 yrs

$= 25[illegible] - 18[illegible]0 = 4100$

Increase % $= \frac{4500}{18000} \times 100\% = 25\%$

required [illegible]e $= \frac{25}{10}\% = 2.5\%$

$20 = K \times 600 \times \frac{1}{9}$

$K = \frac{20 \times 9}{600}$

Let x be the no of units which can be manufactured using 18 machines in 12 days

$18 = K \times x \times \frac{1}{12}$

$x = \frac{18 \times 12}{K} = \frac{18 \times 2 \times 600}{2 \times 9}$

d) The pentagon has 5 sides
So the perimeter of regular pentagon will be 5 times the length of one side 'a'
Here 'a' = 15cm
so $P = 5a = 5 \times 15 = 75cm$

c) A car covers 450 meter in 60sec. Distance ÷ time = Speed
$= 450 \div 60 \times \frac{18}{5} = 27 kmph$

A train covers 69km in 45 min.
Train Speed $= \frac{69 \times 4}{3} = 92 kmph$

Ratio of speed of car to train = 27 : 92