

Dos and Don'ts for the General Science & Ability Paper  
Hi there — you've prepared well! Remember, knowing the content is one thing, but presenting it in the paper exactly as required is another. Here are a few key points to keep in mind:

1. For a 5-mark part, aim to write at least 2 and at most 3 sides of the answer sheet. Often, a question has two or three parts, and the marks are divided accordingly — so address each part fairly.
2. Manage your time wisely — you have about 35 minutes per full question, which comes down to around 8 minutes for each 5-mark part. Stick to this to avoid rushing later.
3. Make your answers look scientific, not just theoretical. Use flowcharts and diagrams wherever they add clarity.
4. Neatness matters — keep your handwriting clean, avoid cutting or overwriting.
5. Mind your spelling and grammar — while GSA doesn't deduct marks for these, your expression leaves an impression.
6. In the ability portion, explain analytical ability questions in words. For a 5-mark part, show all steps and provide clear explanations.

Here's a brief key/sample of your Ability questions

Q.6

a) Candy ratio problem

Given: Packets in flavors Apple : Berry : Cherry : Date = 3 : 6 : 2 : 5.

Asked: If Apple candies exceed Date candies by 35, how many Berry candies are there?

Note (consistency check): The ratio shows Apple



types of Chlorophyll that work together to capture solar energy. This absorbed energy is used to convert carbon dioxide and water into glucose. They help to sustain the life on earth.

Q. No. 4(c)

Solid waste management consists on solid and semi solid waste material ~~of~~ industries, municipal and agriculture etc.

Solid waste management

Solid waste management is a supervised of waste from its generation point ~~point~~ to disposal stage.



## Diferent method of Solid Waste management

The solid waste mangement involves collecting, Recovery and dispose of solid waste in safe and efficient manner without disturbing the Environment. There are different method of solid waste management as per following

### i) open dumping

It is all about open disposal of waste mangement in the Surrounding cities but this method is un-safe and discouraged internationally.

### ii) Incineration

In this method the waste burn by using incineration especially for hospital waste.

### Land fill

In This method waste buried in the designated cities.



Q No. 4(d)

### Biofuel.

It is a renewable fuel produced from Biological Source such as plants and animal waste.

### Adulteration

The process of adding harmful substances to food to increase quantity and reducing quality.

### Hydrosphere

The total amount of water on the earth surface. (Oceans, Lake, ground water and water vapor in atmosphere).

### Isotops

Atoms of the same element which have same number of protons but differ in mass number of neutrons.

① No 5(a)

## Introduction

Pakistan is the fifth most populous country in the world with a population of 240 million approximately.

## Causes of population explosion

There are different causes of population explosion in Pakistan.

- ① High birth rate due to cultural and religious factors encourage large families
- ② Early marriage is also a cause to longer productivity period
- ③ Lack of family planning awareness specially in the Backward areas.
- ④ Insufficient contraceptives and poor implementation of population control programs.



## control measures

- ① media campaign for promotion of population control awareness.
- ② enforcement of law ~~related~~ against to • child or early marriage
- ③ ~~for~~ initiatives of family planning program and availability of contraceptives.



⑥

Remote Sensing is the Science to obtain information about the surface of the earth with out physical contact through satellite.

## Role of GIS in Environmental Science.

- ① Environmental monitoring
- ② Disaster management like flood ~~earthquake~~.



- ③ Management of Natural resources.
- ④ It help in climate studies such as monitoring, temperature change and Global Warming.

④

## Hydrometer

an instrument used for measurement of density or gravity of liquids.

## Epicenter

the point where the earthquake generated above the focus.

## Deep focus

where the earth quake originated in the depth of 300 km beneath the earth

Light year.



## Section - II

~~Part B~~ (7)

(b)

(B)

Five friends total saving = 25000

Ratio 1:2:3:4:5

Five friends A, B, C, D, E

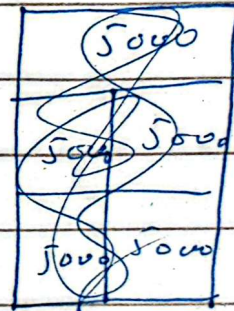
$$A = 1562.5$$

$$B = 2825$$

$$C = 4087.5$$

$$D = 5350$$

$$E = 7812$$



Smallest share is A = 1562.5

|        |    |
|--------|----|
| 1562.5 | 11 |
| /      | 4  |
| /      | 4  |
| =      | 11 |
| /      | 11 |
| /      | 11 |
| /      | 11 |
| /      | 11 |
| 11     | 11 |



7(c) (ii)

3, 5, 7, 11, 13, 17

