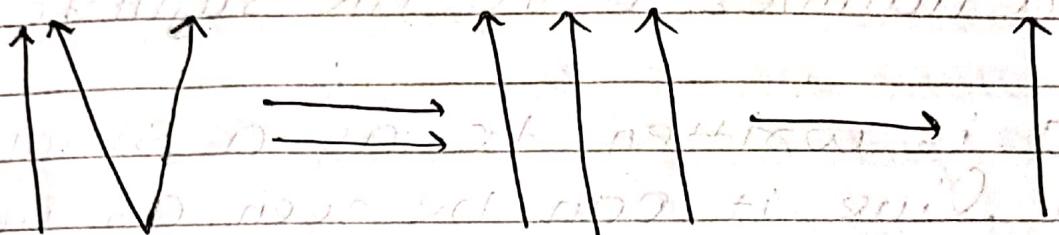


Week : 1

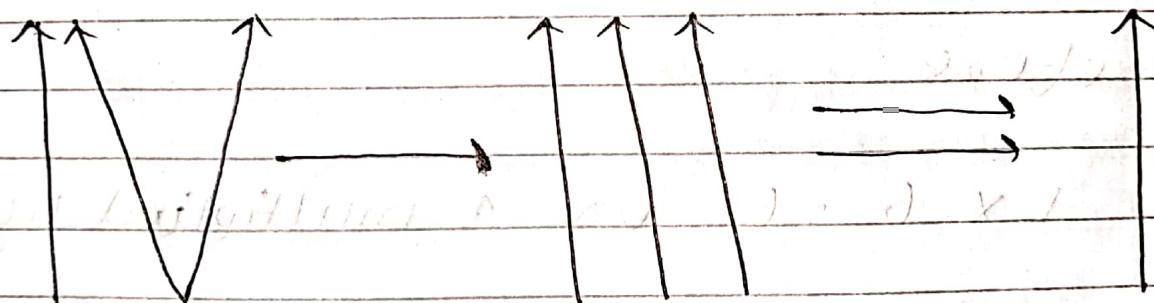
Assignment-1.

Problem 1

Q.1. move only one stick by an arrow for its current position to the new position require to make it a correct equation.



Ans



Here after moving one stick it become correct equation.

Problem 2.

Take a 6 without moving any stick out of 9 which will be drawn as a numerical IX on your index card.

→ Add a number 6 to the right to the IX

When I is written to as a single vertical line it can be seen as number 1 the letter X is also known as symbolize multiplication.

Therefore

$$1 \times 6 = 6 \text{ or } 1 \text{ multiplied by } 6 = 6$$

After

Add a letter s in the front of IX then it become six

SIX.

Q.3 what is lateral thinking?

→ Lateral thinking is a manner of solving problems using an indirect or creative approach via reasoning that is not immediately obvious. It involves ideas that may not be obtainable using only a traditional step by step

Q.4 write down key points.

- (i) The human abilities like ability to memorize, understanding, thinking and imaging each ability has its own significance or importance in humans life.
- (ii) The term creativity , problem solving and innovation states that creativity means think of new idea or makes new things problem solving means creative way to find solution or innovation mean transforming creative ideas.

~~Next~~
12

Week: 2

• Problem: 1

problem is to prevent monkey from eating the fruits and crops in the farms around a village or food from terrace or balcony of homes in towns. solution relate to prevention of the monkey problem.

(i) where do the monkey come from?

(ii) why does the monkey come?

(iii) How can farmers protect their crops from monkey intrusion?

(iv) what measures can be taken to save fruits from monkey in farms?

(v) In what ways can terrace fruits be safe guards from monkey?

(vi) There are any effective ways to keep monkey away from balcony?

(vii) what are the different & safe strategies to prevent monkey

from accessing home grown produce?

(viii) why monkey want fruits

(ix) what monkey really want

(x) Are there specific plants or methods for monkey.

2. What is key message?

It seems there might still be a slight confusion, if you asking about the key message meaning it typically refers to the main or essential message that someone is trying to convey in a communication such as in a speech/presentation or written document.

It's the central idea or takeaway that the communication wants the audience to understand or remember.

→ Example :-

Generally, In the context of a marketing company for fitness brand, the key message could be. Empower your fitness journey with one high performance. Here the central idea or key message is the empowerment of the customer's of fitness journey through the brand's high performance and comfortable products.

• Group test :-

At the end of the week 2 we have learned so many different things such as asking various questions and practice of asking various question, asking and find the right question method of questioning & asking 10 question of problem, CJA method of questioning there are 7 points in CJA methods of asking the right question Reverbus questioning search and squeeze and many more.

~~Next
26/12~~

Week 3

• Problem 1:

- Discuss on Vinay Menon video.
- Is he presenting a realistic overall picture or are there exceptions?
- Does some aspect of education need to be utilized.
- Why is he putting emphasis on learning something new.
- Why is he not giving respect to it software workers.
- How the current education system actually curbs the creative insight of the young minds.

• Problem 2:

- Two lateral thinking puzzles on an index card for each student as:
⇒ John spent three days in a hospital in USA. He was neither sick nor injured, but when it was time to leave, he had to be carried out.
⇒ Much of his painting was seen at the city two change art galleries, but no one had ever heard of him.

Problem 3:

- Group test / write down what you understand from week 3 P
- ↳ At the end of week 3, I understand how to learning practice improve & how to grow your skill helping some points or practice consistency.

~~Next
12/24~~

Week : 4

1) On one side : Truck height is 1 is taller than the tunnel below a railroad crossing . The truck must go through the tunnel to the other side ? How can this be done ?

→ The solution to the puzzle involves recognizing a play on words. The statement "Truck height is 1" is taller than the tunnel below a railroad crossing suggest that the height of the truck is 1 inch more than the height of the tunnel.

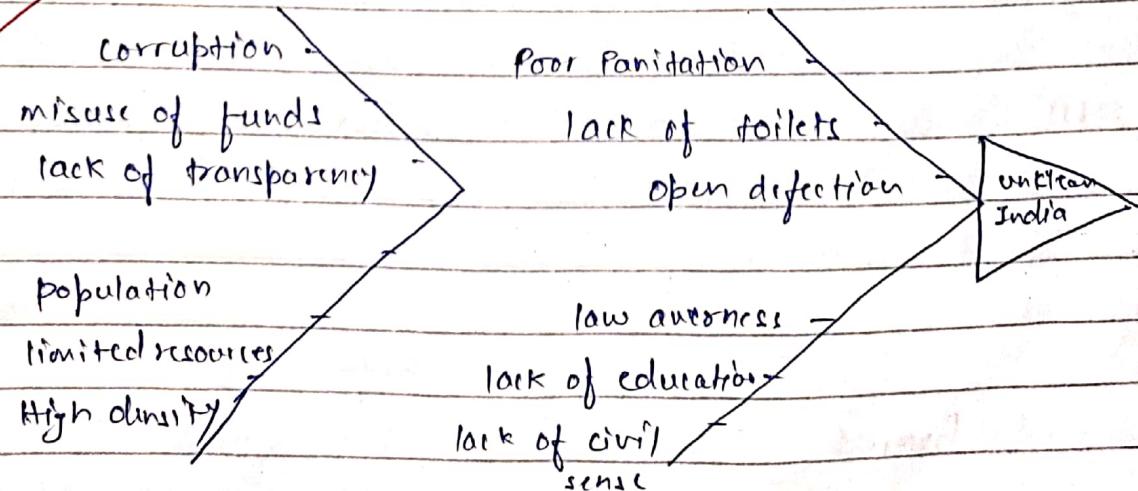
To solve this you need to consider that the word "1 inch" is written as "1" with a double quote symbol. In the context of the puzzle this symbol can be interpreted as feet instead of inches.

2) On the other side : Can you name three consecutive days without using the words Monday , Tuesday , Wednesday , Thursday or Saturday.

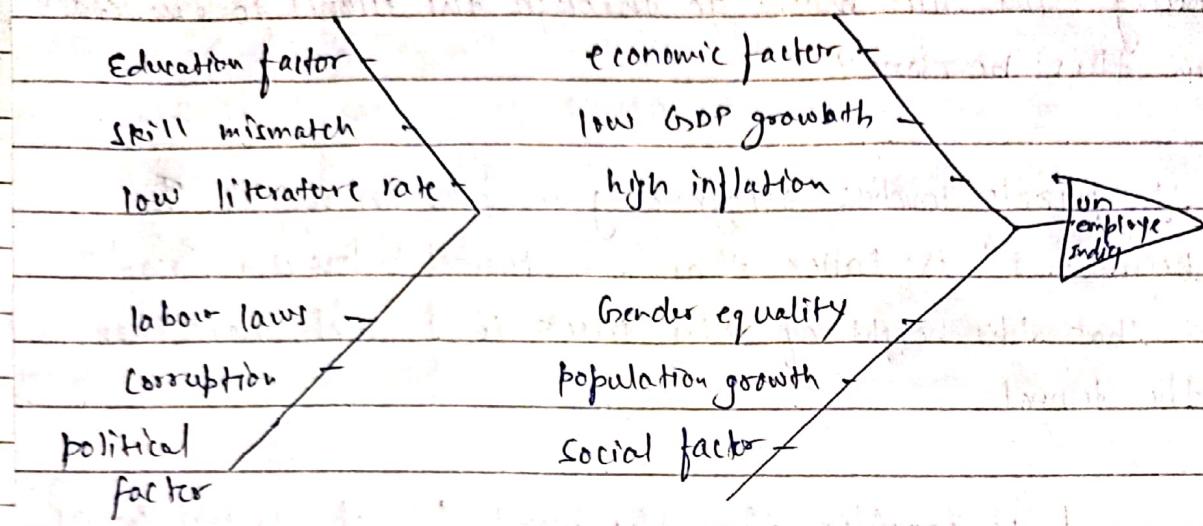
→ Yesterday , today , and tomorrow .

• Group test

→ Fishbone diagram of unclean India .



(ii) Fishbone diagram of unemployment in India



week : 5

• Individual Test :-

→ Give index card of each student with his/her name and 5 minutes to write down atleast 10 ideas for how you will improve your spoken english.

points to be discussed for exercise -

fluency, grammer, practice, material, etc.

→ learn basic grammer

→ practice makes a man perfect so practice regularly.

→ start reading english magazine or newspaper

→ Talk with people who are good in english.

→ watch english talk, shows and movies.

→ everyday speak 10-15 minutes atleast random topic in english.

→ learn new words everyday.

→ write any topic in english.

→ Use effective material.

→ make group of people with some level of english and do conversation.

→

Now
2/21/22

• first practical of thinking -

→ Each day, select a common household object, pick one from this list or just look around the room.

→ Give yourself five minutes to list as many unusual uses as you can for item.

→ paper clip -

→ Make a mini tripod.

→ To clean spray bottle holes as gas stove burned holes

→ To use as zip when it is broken

Week - 6

1. Problem:

Please write down at least 5 new things that you have not learned in the class that combines at least two different things resulting in an important useful thing.

1> Solar powered water desalination Backpack -.

combination: solar technology and water desalination

2> Biometric Blockchain security system +

combination: Biometric authentication such as fingerprint or facial recognition with blockchain technology to enhance security in digital transaction and identity verification.

3> Fingerprint-protected Digital transaction :

combination: Imagine using your fingerprint to make online transaction and this information is securely stored in a special kind of database called blockchain. It makes online transaction super safe.

4. Energy from bumpy road:

Combination: Imagine if the roads you drive on could produce electricity well by using special material the movement of cars on the road can generate power.

5. Robot arms controlled by your brains:

Combination: Think about having a robot arm that moves just like a real arm and you control it with your thoughts.

• Group test:

These ideas take cool things like solar-powered fingerprint protectors energy from bumpy roads and robot arms controlled and combine them in new ways to make life better and more interesting.

RJ

Week - 7

1. Problem : Rearrange the 6 matches to make "nothing" using a symbol which represent nothing. Create index card with 6 vertical matches drawn on $\frac{1}{2}$ of one side leaving enough space for answer.

→ 0

Arrange the matches in the shape of number 0. This represent the concept of nothing.

2. Problem : On the other side give the lateral thinking puzzle. A man and his son are in a car crash. The father is killed and the child is taken to hospital gravely injured. When he gets there, the surgeon says I cannot operate on this boy for the reason that he is my son. How can this possibly be?

→ The surgeon is mother of the child.

3- Group Test :

List of ways people thinking / creatively or crookedly violated

- Converting black money into gold and precious metals.
- splitting large transaction into smaller ones.
- proxy cash deposit by third parties.
- use of undisclosed free foreign bank accounts.

• Counter measures and action by reserve bank

→ Monitoring and regulating the gold and precious metal market, implementing transaction reporting requirement and enhancing scrutin on high value purchases.

- Implementing transaction limits and closely monitoring patterns to detect and prevent suspicious multiple transaction.
 - Implementing robust KYC through (know your customer) ensuring through scrutiny of large cash deposits and leverage technology for transaction pattern analysis.
 - Enhancing monitoring of cross border transaction and implementation strict penalties for non-disclosure of foreign account.
- Ahead of Demonetization:
- Upgrade banking system and ATM to handle increased demand.
 - Integrate advanced security features in the new currency to deter counterfeiting and illegal activities.
 - Communicate clear guidelines to the public banks and business in advance, minimizing confusion and panic.

~~20/2/24~~
29/2/24

Week - 8

1. problem: How many successful parachutes jumps does a trainee parachutist in Indian Army have to make before the graduation from the jump school?

In the Indian Army a trainee parachutist typically needs to make around 10 to 15 successful parachuting group before graduating from the group.

2. what is the invention first discovered in ancient times that allows people to see through walls.

The invention is translucent or transparent material in which were first discovered in ancient times. These materials allow people to see through walls to some extent.

• Group test - Exaluting knowledge of Indian army parachutes group via research presentation and discussion.

1/3
T/3

Week - 9

1. Prepare for contribution for later group brainstorming test by locating as many ideas as possible for achieving and maintaining cleanliness in public place in Indian towns and cities.

- Increase public awareness through education campaign and workshops.
- Provide easily accessible and well-maintained public trash bins.
- Install CCTV cameras to detect littering and illegal dumping.
- Organize cleanliness competitions among neighbours or school to foster a sense of pride and responsibility.
- Introduce regular cleaning schedule for public space.
- Improve waste management system and infrastructure.
- Involve local authorities and government bodies monitoring and maintaining cleanliness standards.

• Group Test :

Brainstorm for achieving and maintaining cleanliness in public place in Indian towns and cities after receiving input from all member each quickly reading his submitted ideas in first 8 to 10 min and then spending atleast 10 to 20 min for more ideas generation.

Note

Week 10

Q. Please list anticipated problem as you see them related to charging of this battery pack while you are in town and especially while travelling long distance by car the range of capacity of the battery pack.

Charging a battery pack in town and during long distance travel can pose several challenges such as limited charging infrastructure compatibility issue long wait time of changing station and concern about range, cost reliability safety, navigation and temperature, effect planning spend and staying informed about charging option can help mitigate these challenges.

Qno 2. Discuss video about David Kelley & IDEO.

The video is about David Kelley and IDEO showcase their innovation and human centered approach to design, emphasizing empathy collaboration and rapid prototyping to create impactful solution across various field.

Qno 3. Group test:

Strategies for creative problem solving include blogger and abcience five building blocks (frame, imagine, design, execute, reflect) and the sanford school approach.

[Emphasize, define Ideate prototype Test]

Group testing involves collaborate problem solving leveraging diverse perspectives and expertise to generate innovative solution quickly.

week - 1

Qnol As a preparation for the group test a bigger sheet create a table similar to the examined example of KT decision analysis for Job offer three column filled big city small town and village.

objective must	big city	small town	village
→ identical job	No Go	No Go	Go
→ job security		No Go	Go
→ salary		Go	Go

	Rating	Score	Rating	Score
Internet	9	8	(8) 72	336
High school	10	80	7	56
Small health	8	56	(9) 63	315
Progressive	6	9	54	48
Roads	5	8	40	30
			339	289

Week - 12

1. Police officer saw a truck driver going the wrong way down a one-way street but did not try to stop him why not?

⇒ Because he is working

2. Man buys rice at \$1. a pound from American growers and sells them at \$ 0.05 a pound in India. As a result of this he became a millionaire. How come?

⇒ He was selling cooked rice in India.

3. Group test:

what are 6 different thinking hats for solving the problem.

1) white hats (facts)

The white hats represent information gathering.

2) Blue hats (process)

when you or your team are on blue hat mode you focus on controlling your thinking and managing the decision making process.

3) Green hats (creativity)

The green hat represents creative thinking when you wear this had you explore a range forward.

4. Red hat (feeling) -

this hat represent feeling and when you have engaged in this type of thinking you can express your feeling without having to justify them logically.

5. Yellow hat (Benefits) :-

with yellow hat thinking you look at issue in the most positive light possible you accentuate the benefits and the added value that could come from your idea.

6. Black hat (cautions) :-

This hat is about caution and assessing risks you employ critical judgement

20/10/23

Week - 13

i) Towards the goal of developing a process for creating your university maker's asylum please identify what you think is needed.

Creating a maker's asylum within a university involves fostering innovation hands-on learning and providing access to tools and resources. Here are some key elements needed for establishing a successful maker's asylum:

(i) Space physical: Allocate a dedicated one within the university campus for the maker's asylum if could be a degree workshop or co-working space.

(ii) Community - engagement: collaboration - encourage interdisciplinary collaboration people from diverse background (engineering, arts, design etc) should work together.

(iii) Education program: learning by making - After program that emphasize hand on learning. These can include DIY, focus rapid prototyping and would working residencies.

(iv) Partnership and ecosystem -

Government and Businesses: collaborate with local government business and incubators acceleration.

Investor and experts - Engage investors and subject matter experts to support innovation.

5. Social impact:

Local production - During crisis like the pandemic mobile maker to produce essential supplies locally (e.g face shield, oxygen concentration).

Repair and reuse - Address broken medical equipment by upskilling local communities in repair and reuse.

✓
David
2/14