GAT Questions: (Part I)

1.How many wings does a dragonfly have?
Options: 2-4-6-8
Correct answer - 4

2.Which of the following heavenly bodies are of a similar nature?
- Earth, Sun, Moon, Alpha century, Halley's comet.
Correct answer - Earth & Moon (Similar Pair), Sun - Alpha Centauri - Halley’s Comet (Similar Pair)

3.You are positioned in Delhi. If you travel to bhopal and then ahmedabad, What will be your direction of travel from bhopal towards ahmedabad?
Correct answer - West Direction

4.The human eye understands lightness and darkness by using rods and distinguishes colors by use of cones. Which parts of the eye help to control the amount of light entering it?
Options - Pupil, Retina,Eyelashes,Iris
Correct answer - Iris

5.Demography is the statistical study of which of the following?
Correct answer - Population

6.Match the following

Dokra	Chattisgarh
Madhubani painting	Bihar
Papier Mache	Jammu & Kashmir
Bidri Work	Karnataka

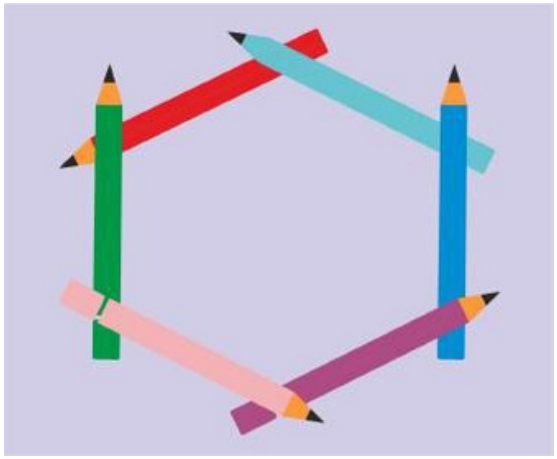
Correct answer - Dokra - Chattisgarh, Madhubani - Bihar, Papier Mache - Jammu & Kashmir, Bidri Work - Karnataka

7.Which of the following are right?
- The boiling point of water does not change at all locations.

- Boiling points of water depends on pressure.
- Oxygen is low at high altitudes.
- The air fuels mixture of any vehicle remains the same at all locations.

Correct answer - Oxygen is low at high altitudes

8.Which two pencils are on the same plane



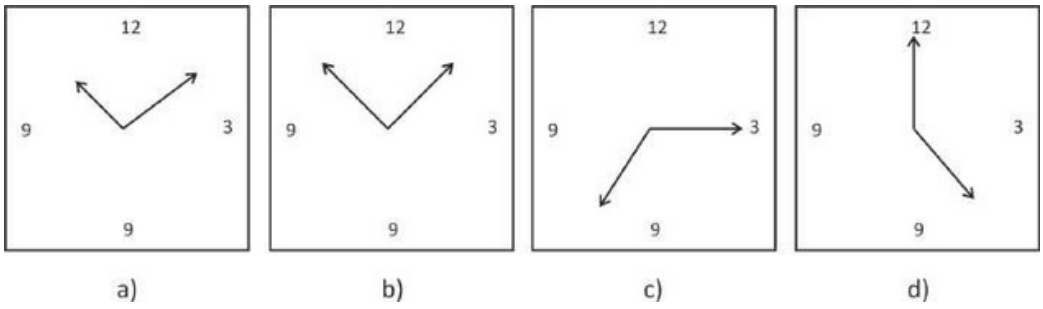
Correct answer - Green and Blue pencil

9. Night flowering plants are typically _____in color.

- Green
- Purple
- White
- Yellow

Correct answer - White

10.Which is the most functional clock (hands of clock in different size)



Correct answer - Option A

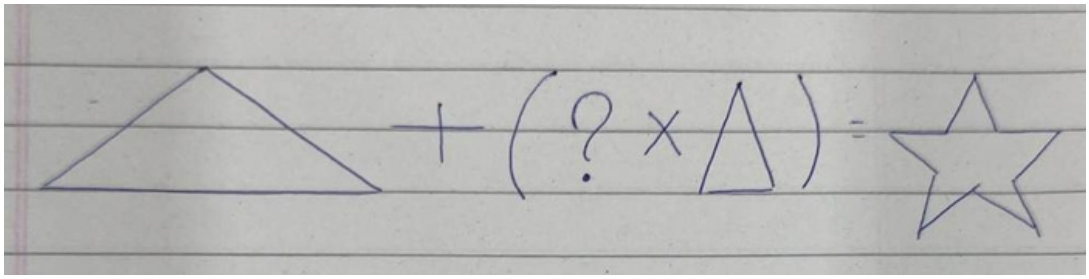
11.Relation between diversity and homogeneity.
Options - ?

Correct answer - Diversity is primarily focused on race and ethnicity while, homogeneity is usually focused on personality traits, attitudes and values

12.Relation between rights and duties.
Options - ?
Correct answer - Rights are what one want others to do for him or her while, duties are the acts that one should perform for others

13.Find from option a similar pair
Color wheel :
Yellow-orange/yellow/ yellow -green
RedOrange/Red/Magenta
Purple/Blue/Green
Correct answer - Yellow-Orange-Yellow-Yellow-Green (Analogous colour scheme)

14.



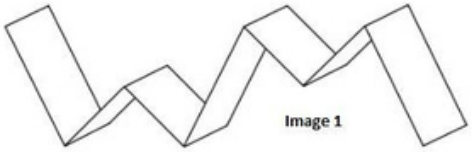
Options - 1, 2, 3, 5
Correct answer - Three

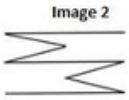
Drawing Questions - (Part II)

Q.1. Your objective is to replicate the given pattern in Image 3 to cover the entire paper. After that, illustrate the dotted lines and fold lines to represent how the paper would look after folding based on the information provided in Image 1 and Image 2.

Draw the opened paper with dotted lines to show the folds and shade in the cut outs

Images:

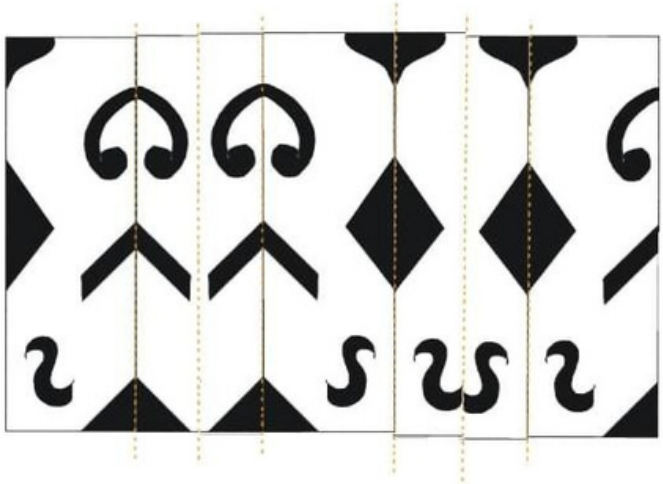








Answer -



Q.2.A. -Createa product to carry 20 liters of water in a mountainous area (12 marks).
. -Explain how a person can use this designed product effectively (8 marks).

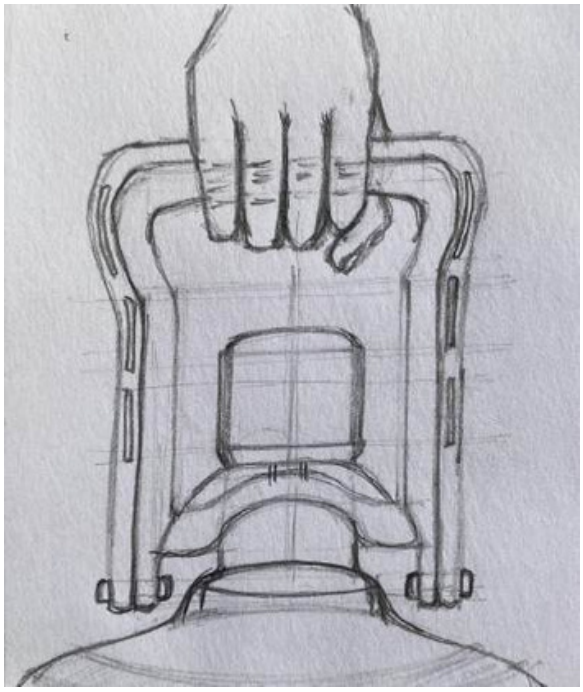
Answer -

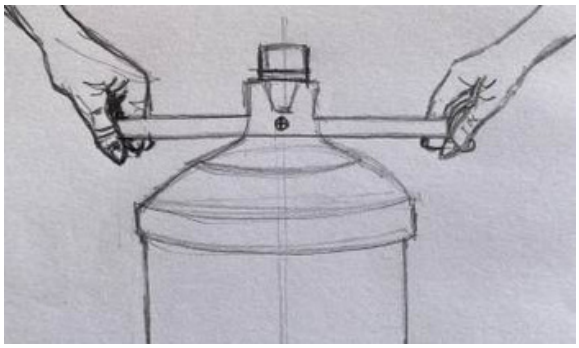
‘The Easy Carrier’

Concept : In a mountainous environment, the minimalist design ‘the easy carrier’ would help grip a 20 litre water bottle with ease. Made out of stainless steel, it locks the top of the bottle and allows one to lift it like a bag. A person can easily lift and transport 2 bottles of 20 litres at a time OR 2 people can hold a single 20 litre bottle by holding one handle each.

Do’s: Design a product that aids to carry 20 litres of water with ease on an undulating landscape.

Don’ts: Do not make a complex product that is not practical to use considering slopes of the terrain.







Q.3. Draw 3 key steps for the process Given below

- Potato to chips Bees to
- candle Mango/fruit to
- pickle Seashell/beads to
- jewelry

Answer -

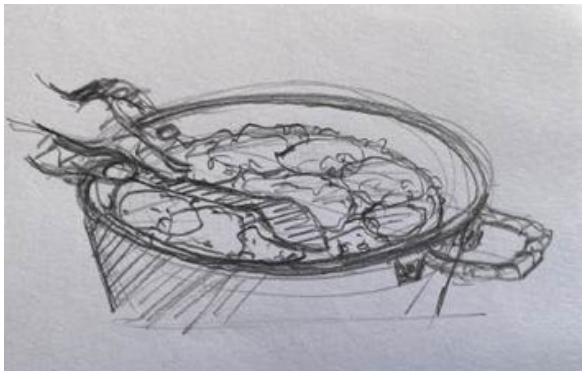
‘Three Step Process’
Concept: The process sketches illustrate the 3 steps of making Potatoes to Chips, Mango to Pickle, Beewax to candle and Seashells to Jewellery. The illustrations focus on the three key steps to its making.

Do’s: Break down the process to quick illustrations in three important frames. The beginning, the middle and the end.

Don’ts: Do not illustrate a step that is not required. Do not use colors (not required).

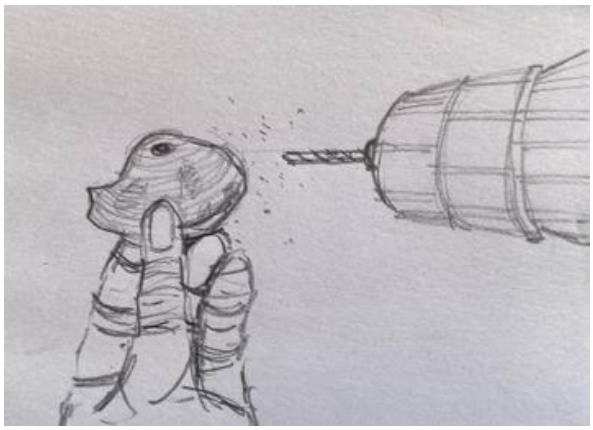
1. Potatoes to Chips

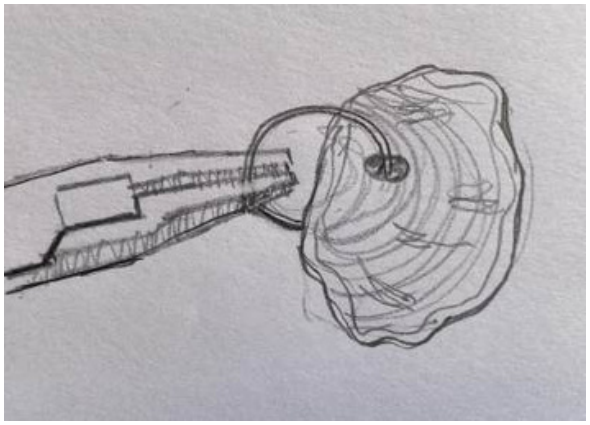


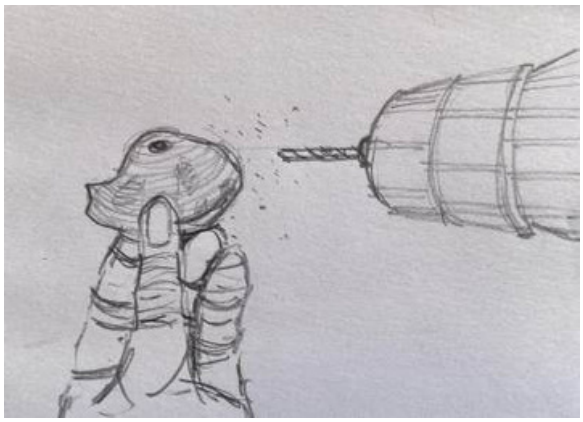




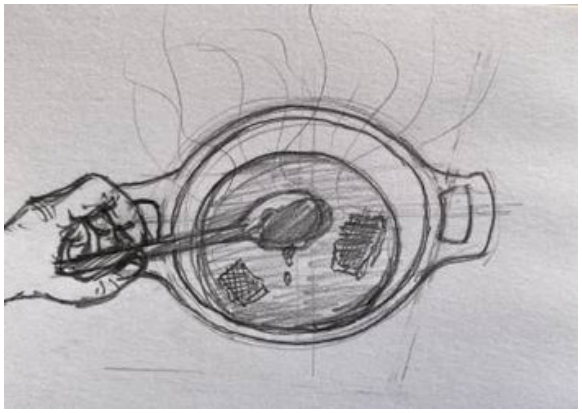
2. Seashell to Jewellery



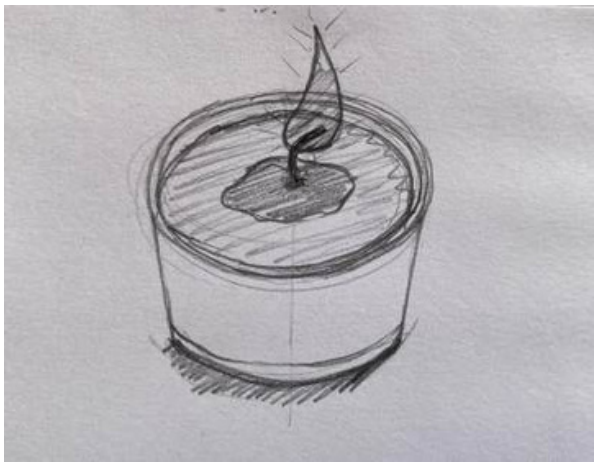




3. Beeswax to Candle

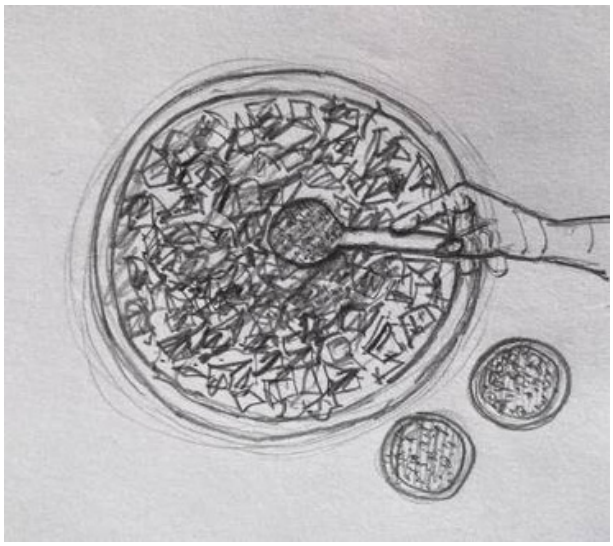






4. Mango to Pickle







Q.4.A. Draw a room for a person above 50 years old or a child aged 6-10.

- Show where they would be positioned in the room.
- Write a key function / purpose of any product in the picture you draw.
- Describe ways to improve the functionality of the product

Answer -

‘Old man in a Room’
Concept: The illustration shows an elderly man sitting on a wooden rocking chair next to a window with a table lamp and a plant pot. He lives by himself and has relatives and guests coming to his abode every now and then.

The second sketch illustrates a floor lamp and a cushioned sofa. It will help the elderly man sit with comfort and provide softness to his body on the sofa. The table lamp is replaced with a floor lamp with an on/off string.

Do’s: Illustrate any one option with the room, an elderly man or a young child of 6-10 years. Illustrate a bit of the environment with certain furniture and objects, then choose an object that can be changed for a better use.

Don’ts: Do not get into unnecessary detailing or ornamentation.



