राष्ट्रीय डिज़ाइन संस्थान
NATIONAL INSTITUTE OF DESIGN

B.Des./GDPD 2020
DAT Prelims
Test Paper
Part-1

Question Number 1 to 12 consists of 01 Mark each

Q1. The purpose of Kyoto Protocol is

(A) To promote tourism
(B) To contribute sustainable development
(C) To promote renewable sources of energy
(D) To put a limit on greenhouse gas emissions by states

Q2. Which of the following is not an embroidery tradition of India?

(A) Phulkari
(B) Batik
(C) Kashida
(D) Chamba Rumal

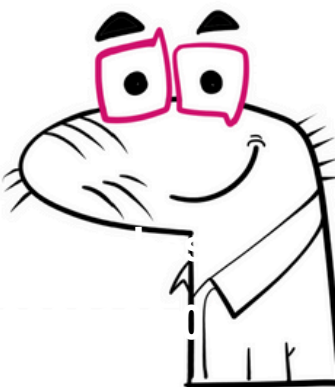
Q3. Identify the form of the painting and the state it is from:



(A) Pattachitra from Bengal
(B) Kalighat painting from Bengal
(C) Pattachitra from Odisha
(D) Mata-ni-Pachhedi from Gujarat

Q4. Guru Nanak's 550th birthday or Jayanthi celebrations in 2019 led to the building and development of which corridor that connects the Gurdwara Darbar Sahib in Pakistan to the Gurdwara Dera Baba Nanak in India?

(A) Sultanpur
(B) Gurdaspur
(C) Gobindpur
(D) Kartarpur



Q5. Match the brands to the country of their origin and identify the correct set.

1)	2)	3)	4)	5)
Godrej	SAMSUNG	Panasonic	Haier	SIEMENS

(A)	(B)	(C)	(D)
1) India	1) India	1) India	1) India
2) Japan	2) Korea	2) China	2) Korea
3) Korea	3) Japan	3) Korea	3) China
4) Germany	4) China	4) Germany	4) Germany
5) China	5) Germany	5) Japan	5) Japan

Q6. Esther Duflo was awarded the Nobel Prize (2019) in economic sciences with her research partner

(A) Abhijit Banerjee
(B) Avijit Pathak
(C) Avinash Banerjee
(D) Abhijit Sen

Q7. The artist, Ramakant Gundecha who passed away in November this year was an exponent of which genre of Hindustani classical music and for which he is most renowned?

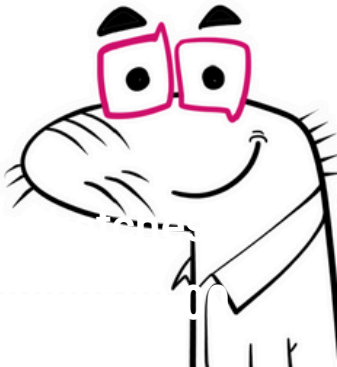
(A) Khayal
(B) Tarana
(C) Thumri
(D) Dhrupad

Q8. Which of the following is not a logo you will find at a petrol pump in India.

(A)	(B)	(C)	(D)
Bharat Petroleum	ओएनजीसी ONGC		हिन्दुस्तान पेट्रोलियम HP

Q9. The ruins of the glorious Vijayanagara empire and a site of historical importance for its architectural style is today found at

(A) Tanjore
(B) Belur
(C) Hampi
(D) Mandu



Q10. Jaipur foot is

(A) A Footwear brand
(B) A Prosthetic leg
(C) A Tourist Place
(D) A Restaurant

Q11. Six people, P, Q, R, S, T and U are standing in a circle. Q is standing between U and R. P is standing between T and S. U is standing to the left of S. Who is standing between P and U?

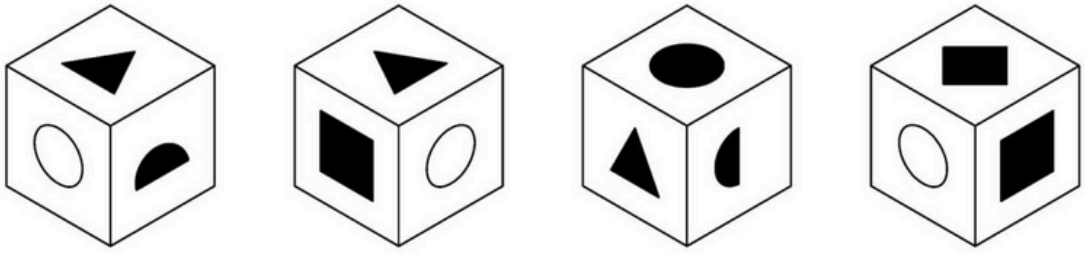
(A) Q
(B) R
(C) S
(D) T

Q12. If X is the father of Y & Y is the mother of Z and Z is the daughter of M, then how is X related to M?

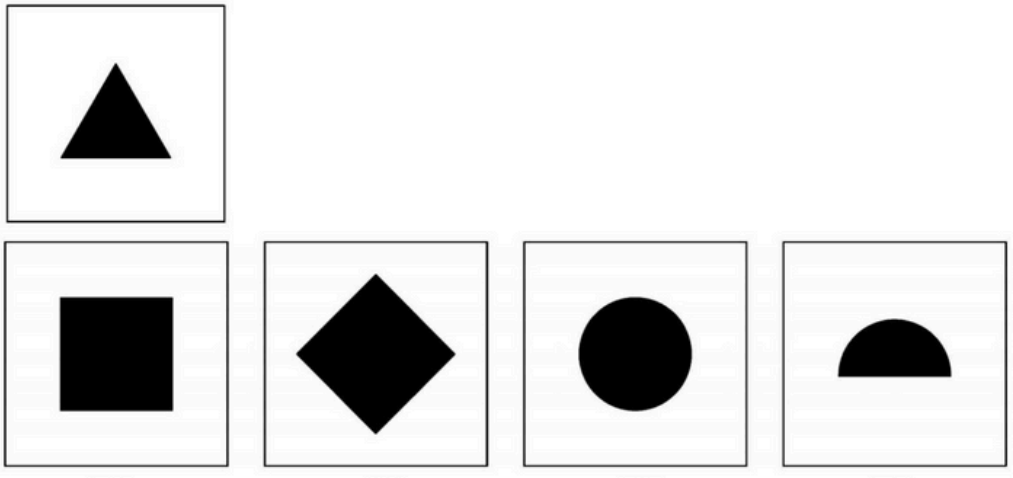
(A) Son-in-law
(B) Father-in-law
(C) Sister-in-law
(D) Brother-in-law

Question Number 13 to 21 consists of 02 Marks each

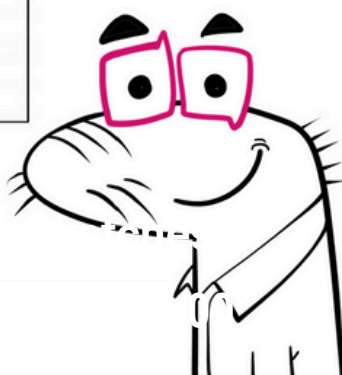
Q13. Depicted below are four various orientations of the SAME cube:



Select from the options gien below, the face which is located opposite to the face depicting the triangle.



(A) (B) (C) (D)



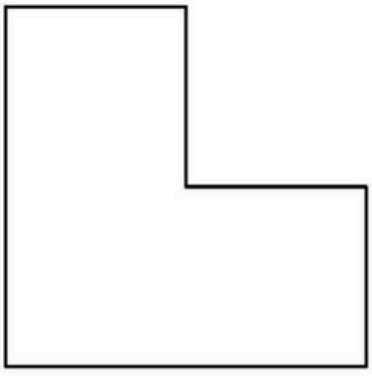
Q14. School Holidays will begin day after tomorrow, following which day is Sunday. The results were declared two days before yesterday. So which day is today and which day were the results declared.

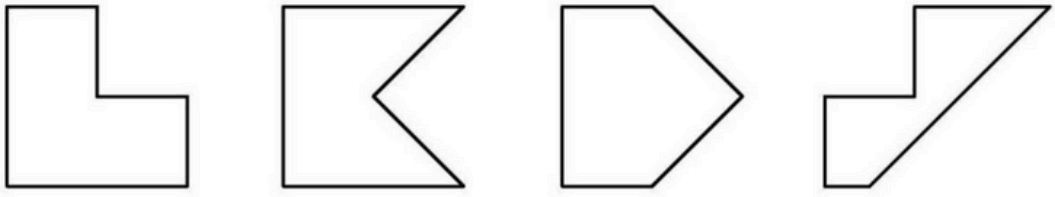
(A) Tuesday & Thursday
(B) Thursday & Monday
(C) Monday & Wednesday
(D) Sunday & Tuesday

Q15. Sonam starts walking one evening and walks towards the South. She then turns to her right and walks five km, then turns left and walks three km, and then again turns left and walks five km. In which direction is she from the starting point?

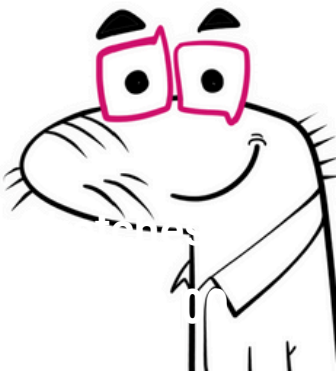
(A) West
(B) South
(C) East
(D) North

Q16. Which of the given shapes can be used to divide the cake below into 4 equal parts of identical size and shape?

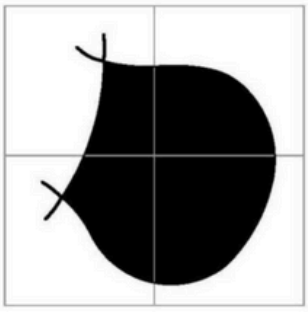


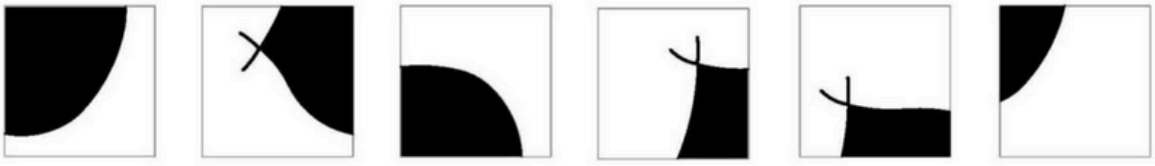


(A) (B) (C) (D)



Q17. The completed shape can be made using which 4 tiles, without turning them in any direction. Select the tiles that have been used to create the shape.

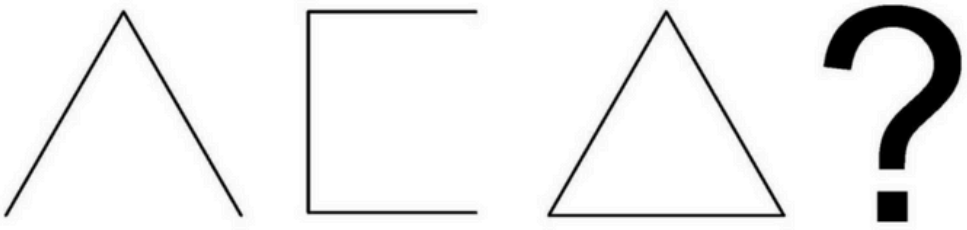


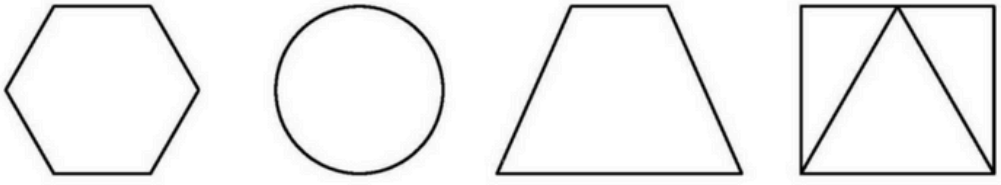


(P) (Q) (R) (S) (T) (U)

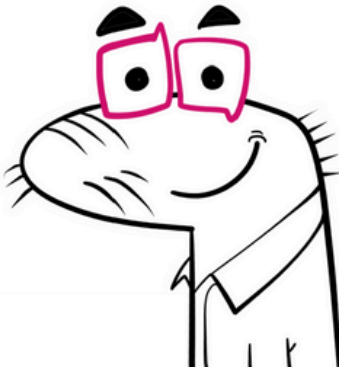
(A) SQPR
(B) TRPQ
(C) QUPT
(D) TPUQ

Q18. Next the series will be:



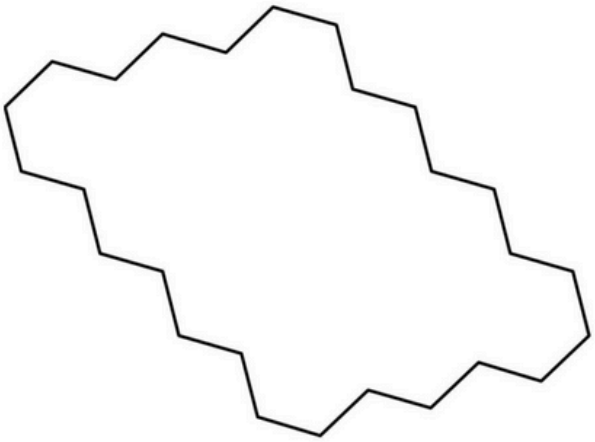


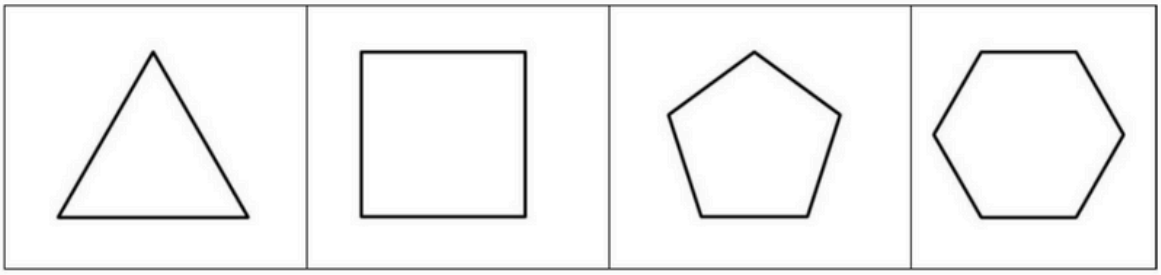
(A) (B) (C) (D)



Q19. Shown in the optional images (1), (2), (3), (4) are regular polygons. Which among the two polygons given below will fill the Figure X?

Figure X

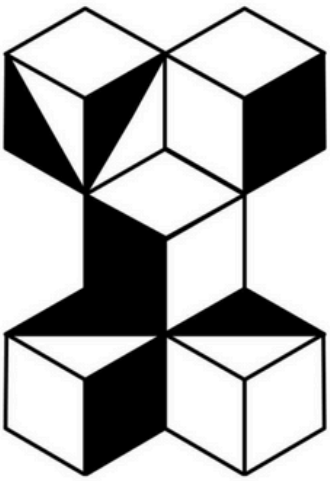




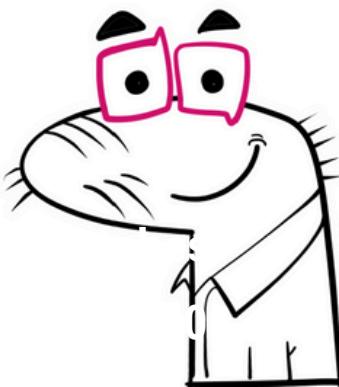
(1) (2) (3) (4)

(A) (1) and (4)
(B) (3) and (4)
(C) (1) and (2)
(D) (2) and (3)

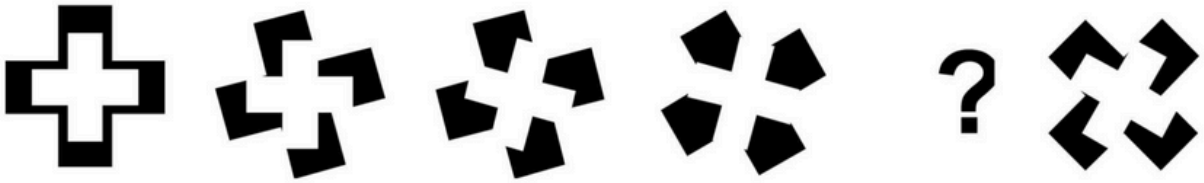
Q20. What percentage of the visible figure is shaded?



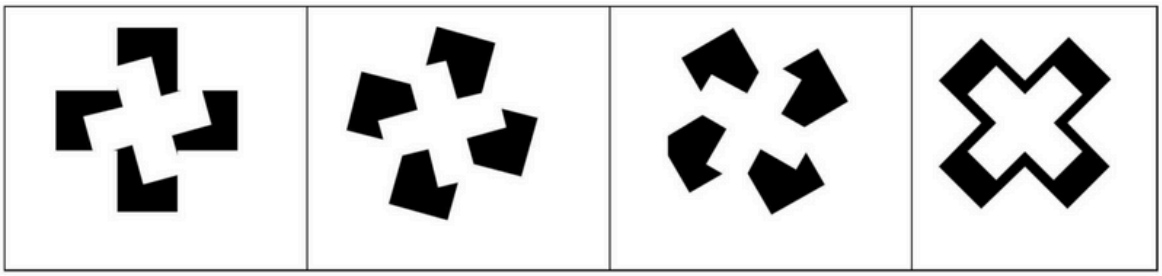
(A) 33 %
(B) 45%
(C) 50%
(D) 80%



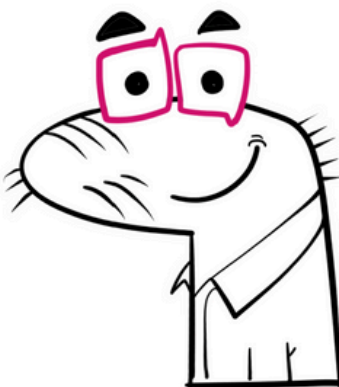
Q21. Choose the image that completes the pattern:



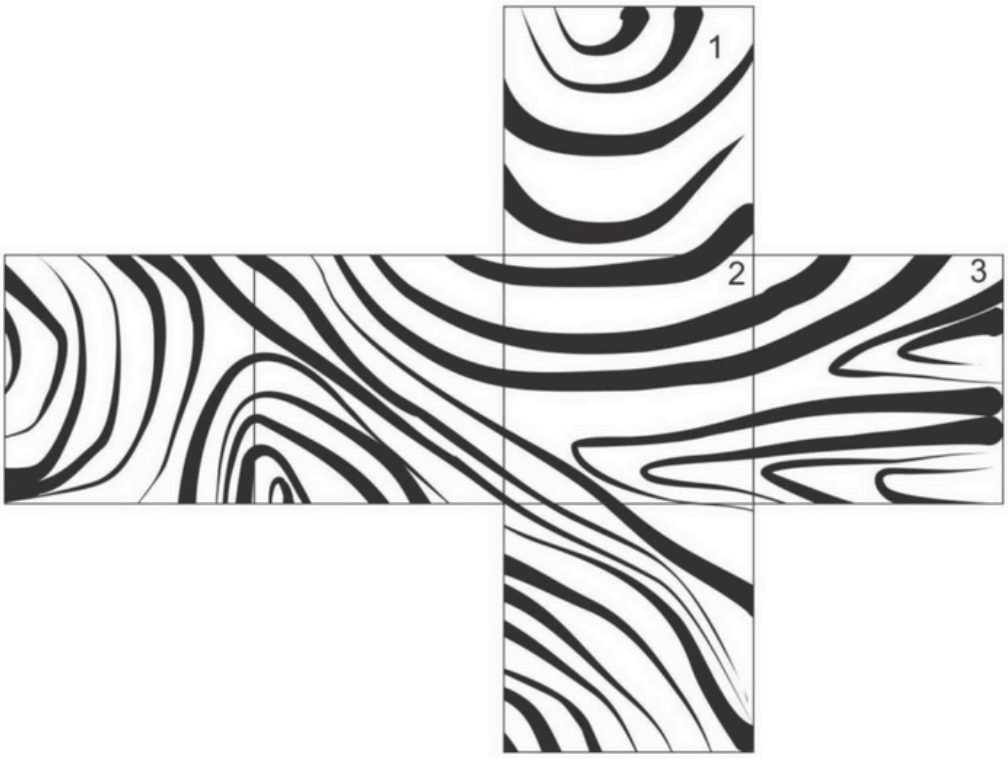
Which of the shapes below continues the sequence?

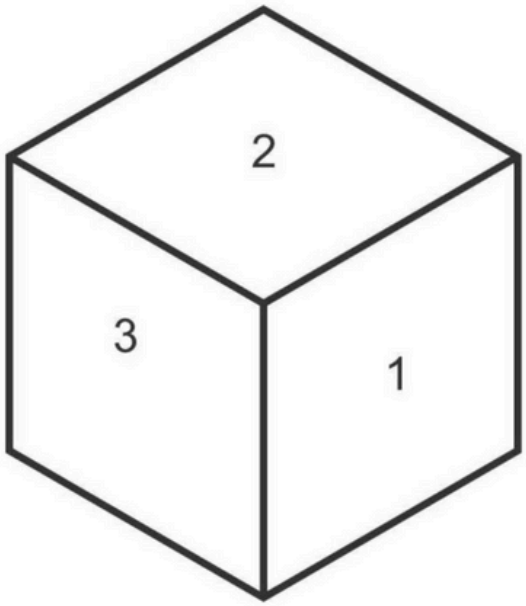


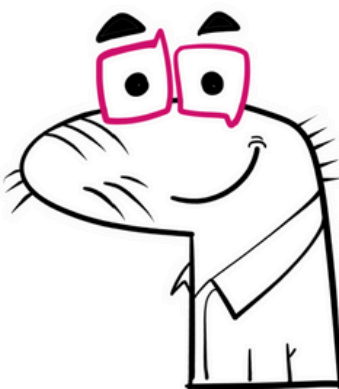
(A) (B) (C) (D)



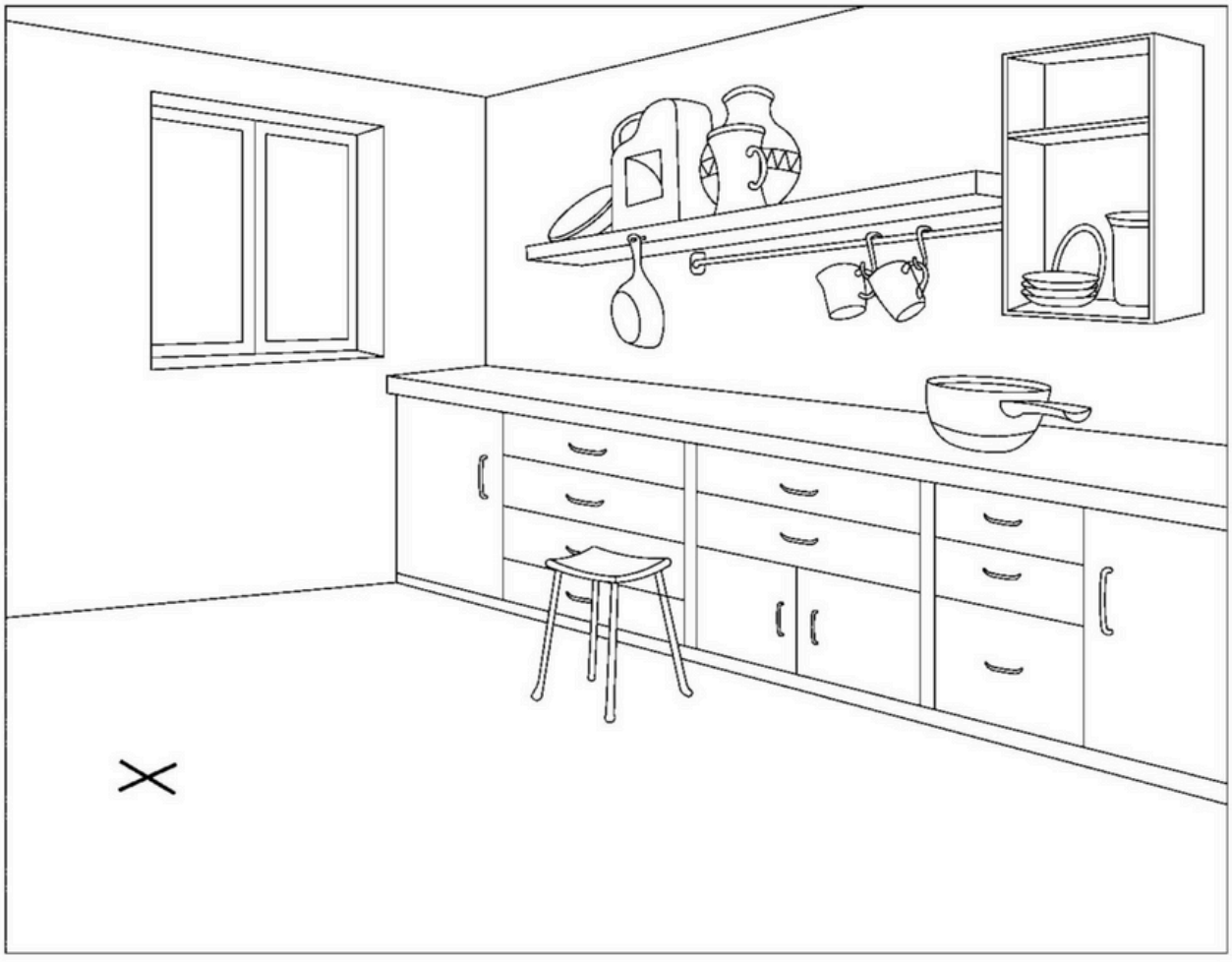
Q22. Draw the given pattern in the 2D cut out surfaces onto the respective surfaces of the 3D cube. (05 Marks)

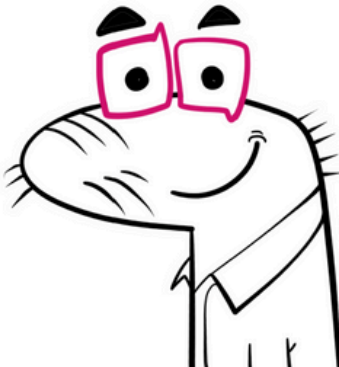






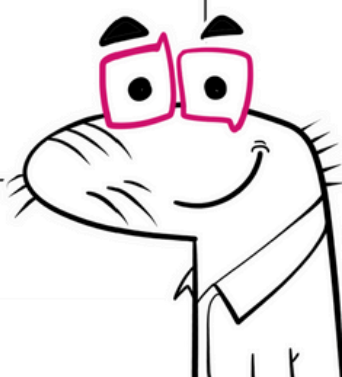
Q23. A drawing of a kitchen in given below. A three year old child enters the kitchen and observes the scenario from the point marked (X) on the floor. Visualize and draw the scene from the child's point of view. (12 Marks)



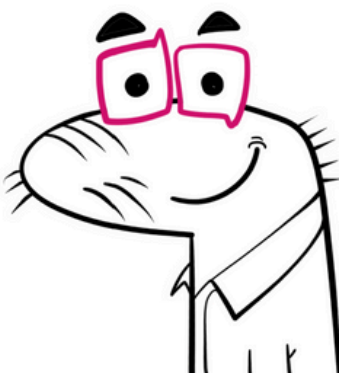


Q24. Draw the following story sequentially in the given 3 frames and give a suitable title of the story. (Use only Pencil, do not use color) (13 Marks)

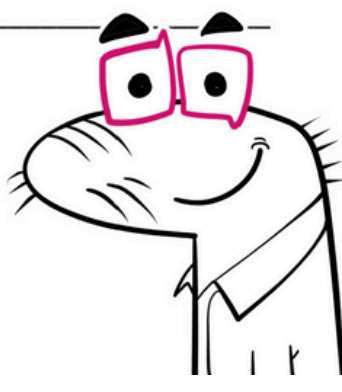
One day a man was sitting under a big Jamun tree and taking rest. Suddenly noticed a great pumpkin creeper nearby. He was thinking the foolishness of God. He thought the God gave such a small fruit to this big tree and such a big pumpkin to this fragile and thin creeper. He thought he would have appreciated God's wisdom, if he would have done otherwise. Even as he was thinking this… A small Jamun fruit fell down on the man's head and startled him. 'O God' he then bowed down and continued to say 'you are right after all. If the big fruit like pumpkin had fallen from such a height, I would surely be dead'.

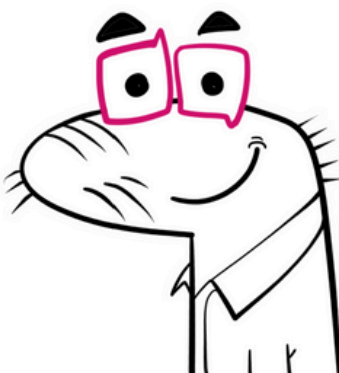


Title:_____



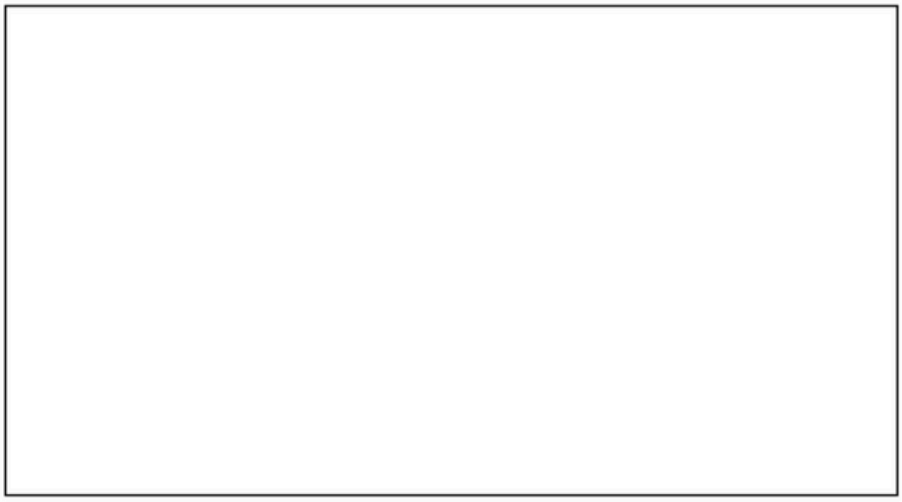
Q25. You have an old bulb. Conceptualise 5 ways in which the bulb can be re-used humorously. Describe in brief and draw your ideas in the space given below. (15 Marks)

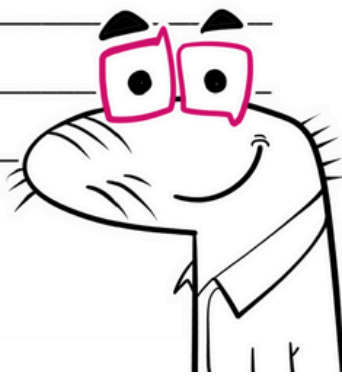


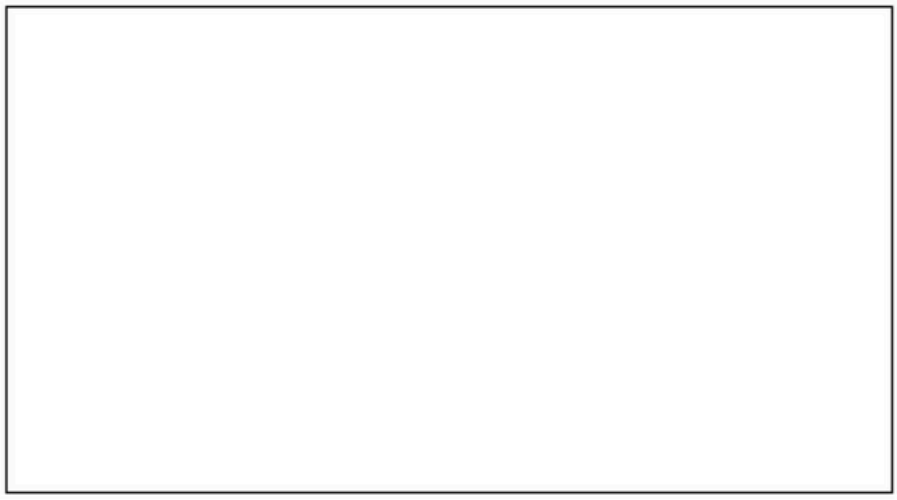


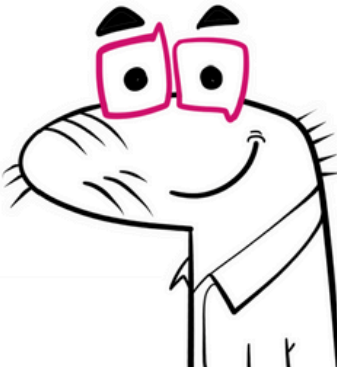
Q26. Imagine trees have started growing defensive mechanism to prevent themselves from being cut. Conceptualise 3 such defensive mechanisms. Describe in brief and draw the ideas in the space given below. (15 Marks)







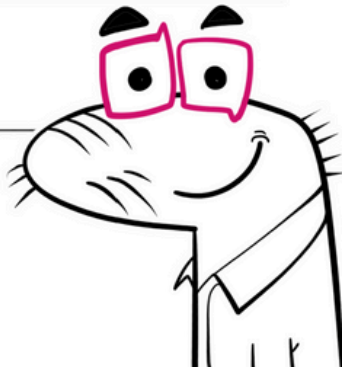




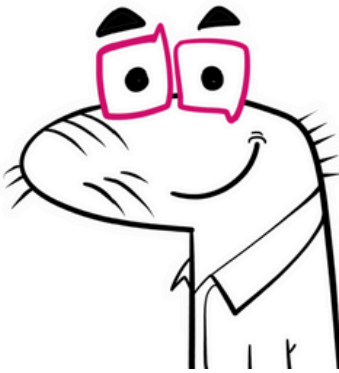
Q27. Rabindranath Tagore once said "Where the mind is without fear and the head is held high, where knowledge is free.". (10 Marks)

Make a poster depicting the above idea along with a tag line.

Tagline:_____



Space for Rough Work



For more Detail Explanation and sample sketches

1	D
2	B
3	B
4	B
5	B
6	A
7	D
8	B
9	C
10	B
11	C
12	B
13	B
14	B
15	B
16	A
17	A
18	C
19	B
20	A
21	C

