राष्ट्रीय डिज़ाइन संस्थान
NATIONAL INSTITUTE OF DESIGN

B.Des./GDPD 2019
DAT Prelims
Test Paper
Part-1

Questions 1 to 22 are multiple choice questions. Please read the question carefully and select your response from the options provided. The correct answer must be marked in the OMR answer sheet provided separately. Do not write your name anywhere in the booklet. This will lead to disqualification.

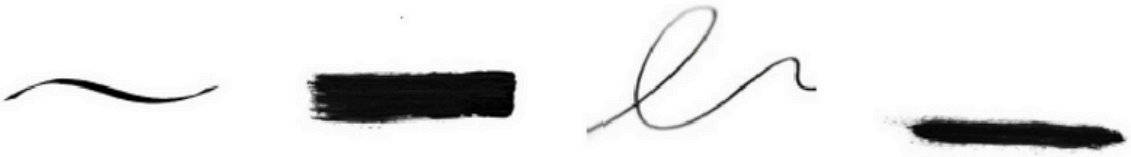
Question Nos. 1 to 14 carry 1.0 mark each.

Q1. The icon below is associated with:



(A) Women
(B) Gay
(C) Labour
(D) Transgender

Q2. Match the following line strokes with the related tools with which they were created, depicted in sequence from left to right.



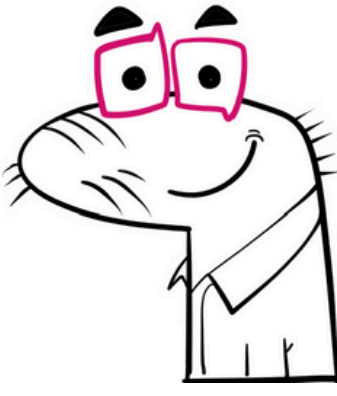
(A) Pen, Flat brush, Calligraphy pen, Round brush
(B) Calligraphy pen, Round brush, Pen, Flat brush
(C) Pen, Round brush, Calligraphy pen, Flat brush
(D) Calligraphy pen, Flat brush, Pen, Round brush

Q3. Which textile craft does the image below represent?



(A) Kalamkari
(B) Tie and dye (Bandhani)
(C) Ikkat
(D) Block print

Q4. Which of the following DOES NOT belong with the rest?
(A) Wool
(B) Cotton
(C) Jute
(D) Coir



Q5. Which of these dance forms is NOT a classical dance form?
(A) Bharatnatyam (B) Manipuri
(C) Odissi (D) Bihu

Q6. Annapurna Devi was a famous player of which instrument?
(A) Sitar (B) Sarod
(C) Surbahar (D) Sarangi

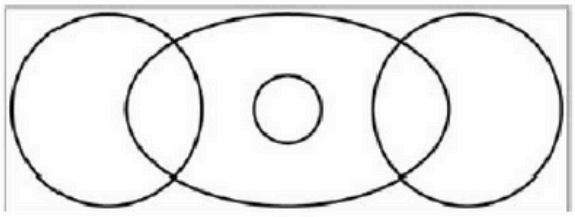
Q7. What is the inspiration for the design of the front portion of the Japanese bullet train?
(A) Cheetah (B) Eagle
(C) Kingfisher (D) Dolphin

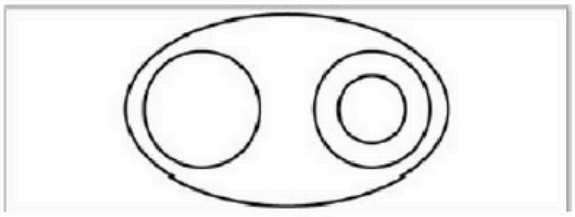
Q8. During ancient times, people used to navigate with the help of .....
(A) The planet Venus (B) The Phases of the moon
(C) The Pole star (D) Birds

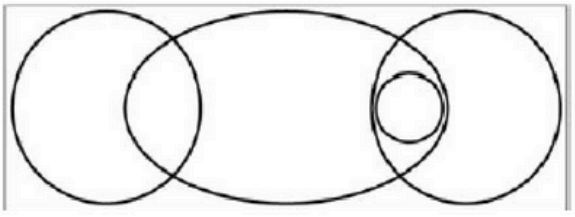
Q9. Which of the following Indian personalities is NOT known as an artist?
(A) Raja Ravi Verma (B) Raja Rammohan Roy
(C) Rabindranath Tagore (D) Ramkinkar Baij

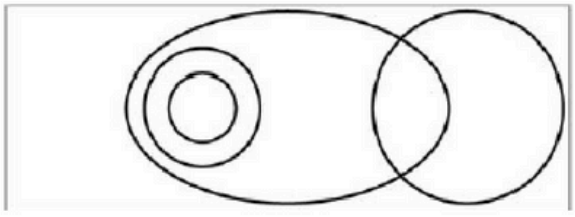
Q10. Which is the highest sporting award in India?
(A) Rajiv Gandhi Khel Ratna Award (B) Dronacharya Award
(C) Dhyan Chand Award (D) Maharaja Ranjit Singh Award

Q11. Which diagram shown below can best depict the relationship between the following 4 words – Boys/Girls/Sister/Sibling, where each of the categories are represented by circles/eclipses.

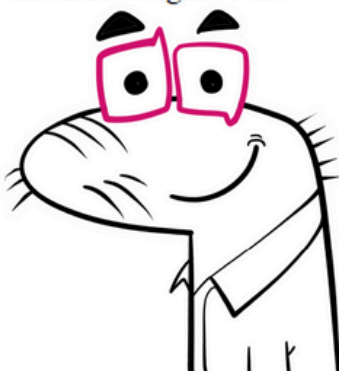

(A)


(B)


(C)


(D)

Q12. The weight of a mother and her child together is 70 kg. The weight of the father and the child together is 90 kg. The weight of the father and the mother together is 120 kg. What is the combined weight of the family?
(A) 100 kg (B) 150 kg
(C) 140 kg (D) 200 kg



Q13. Based on the graphical representation (Figure X) of the physical characteristics of the 4 rectangles – P, Q, R & S based on the four characteristics of *tall, thin, short and fat,* which of the following depiction of rectangles is correct?

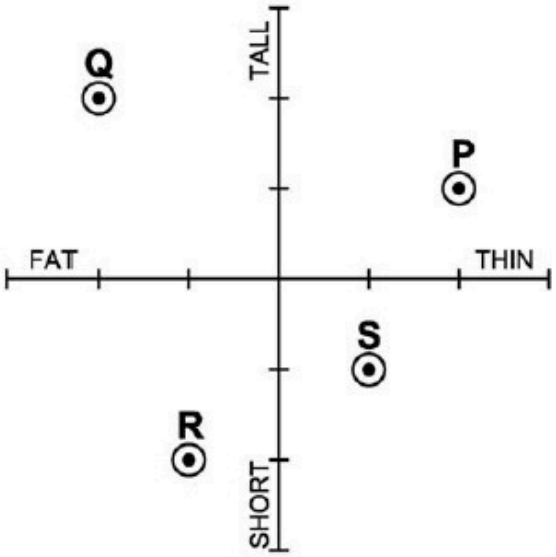
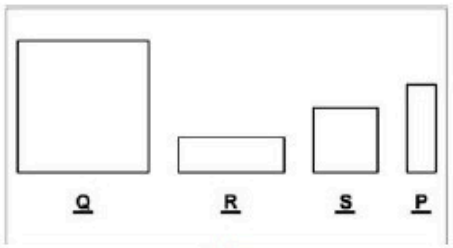
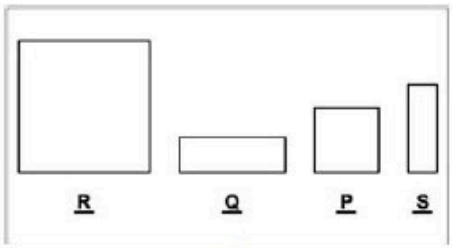


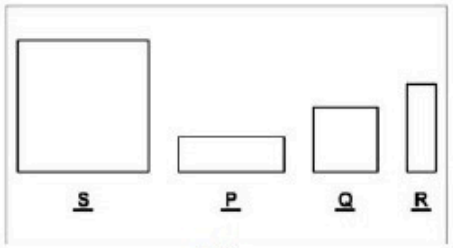
Figure X



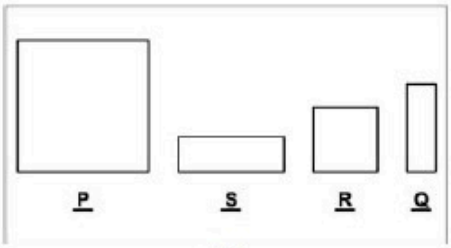
(A)



(B)

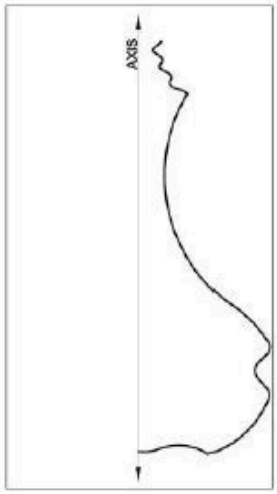


(C)



(D)

Q14. If the following profile is rotated along the given axis by 360 degrees,



which of the following 3-dimensional form would be created?



(A)



(B)



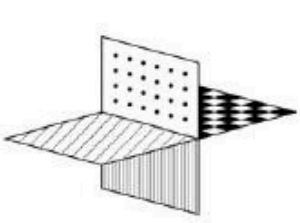
(C)

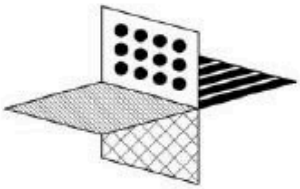


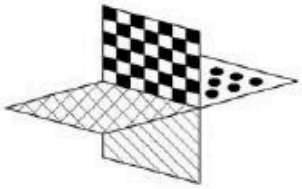
(D)

Question Nos. 15 to 22 carry 2.0 marks each.

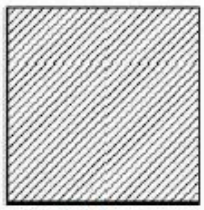
Q15. In the object given below, four different orientations are shown. Identify the pattern on the face with the "question mark(?)".



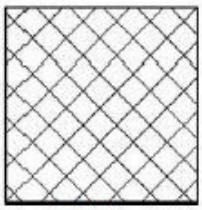




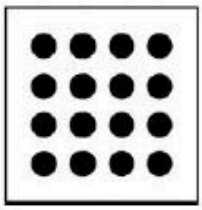




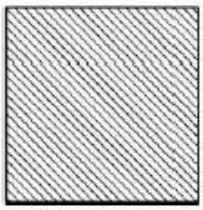
(A)



(B)

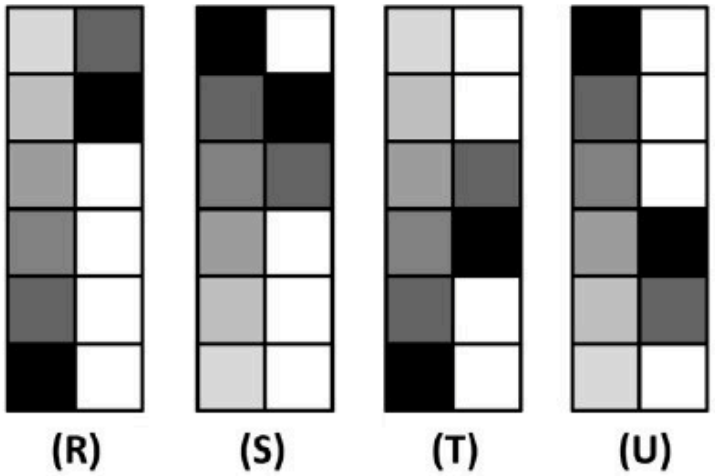


(C)

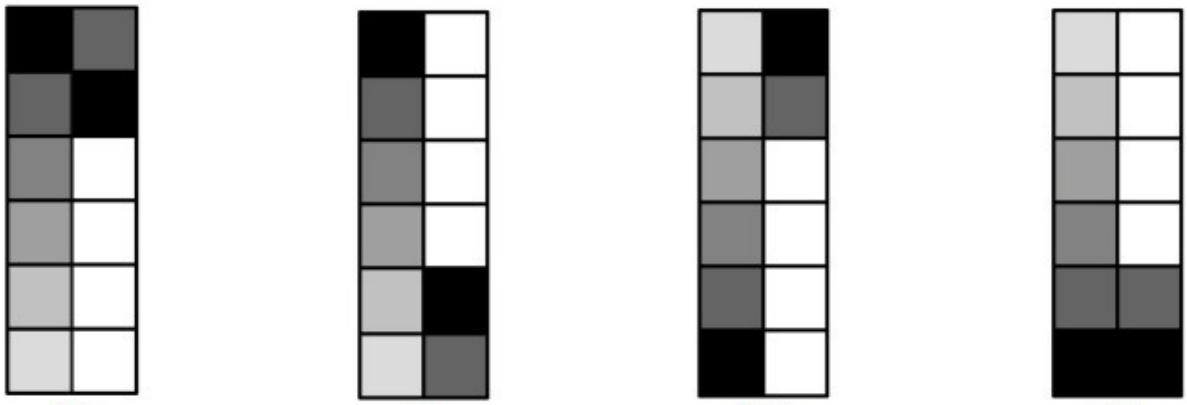


(D)

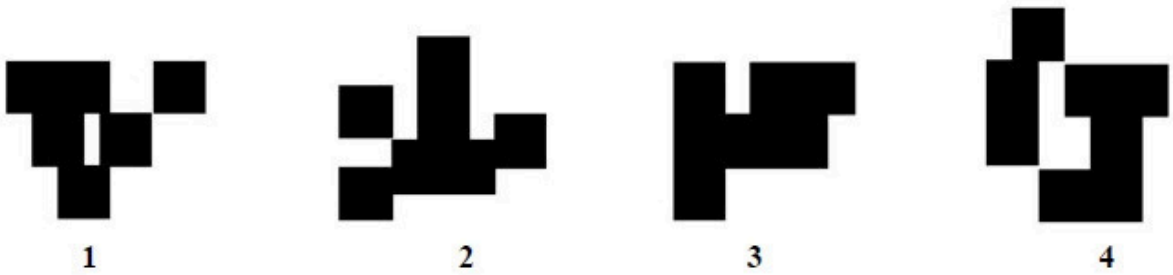
Q16. Four figures "R", "S", "T" and "U" are given below.



If figure "R" represents "ASC12", figure "S" represents "DES23", figure "T" represents "ASC34" and figure "U" represents "DES45", then which of the following figures will represent "DES12"?

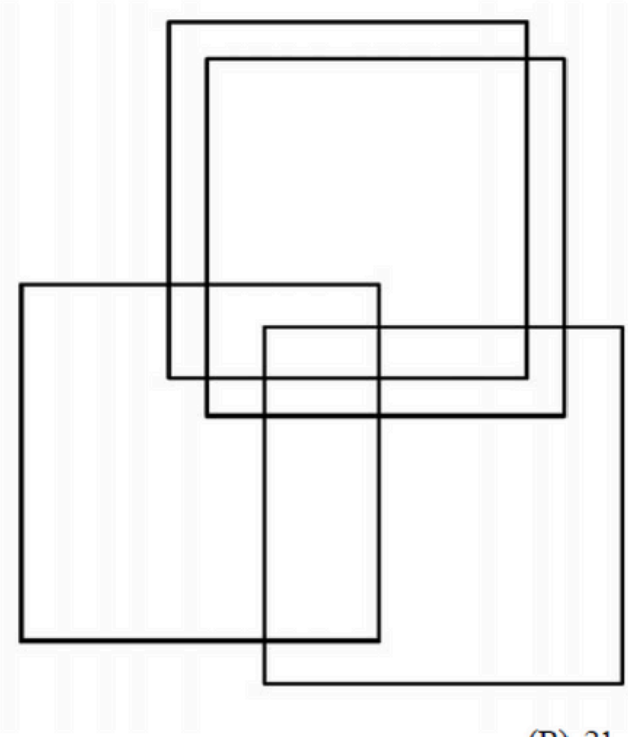


Q17. Observe the images below and indicate which two images are equal in surface area?



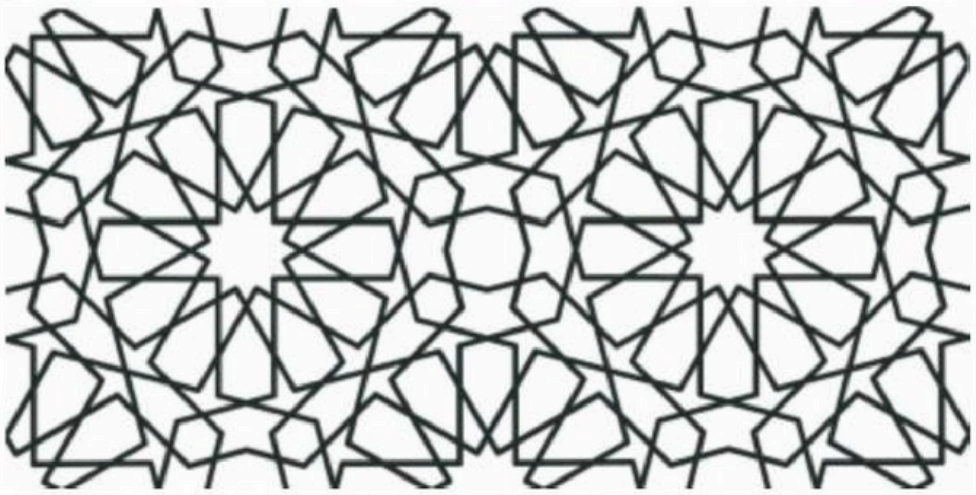
(A) 1 and 2
(B) 2 and 3
(C) 1 and 3
(D) 3 and 4

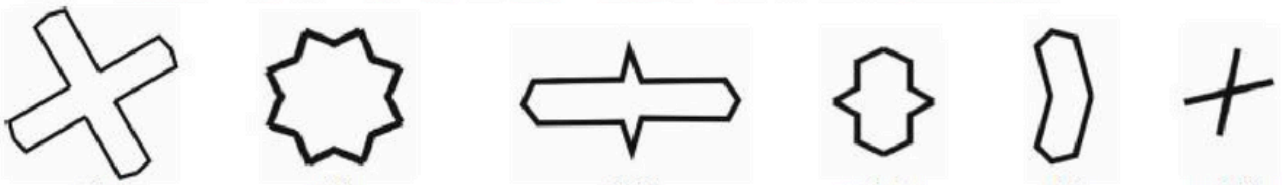
Q18. How many rectangles are there in the image given below?



(A) 15
(B) 21
(C) 17
(D) 19

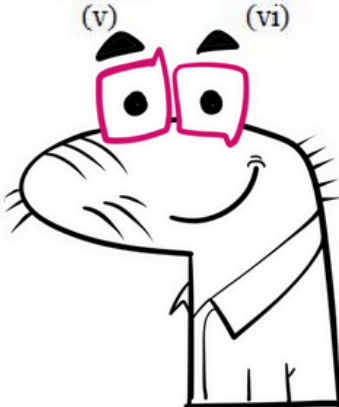
Q19. Identify the set of shapes which can lead to the following pattern using repetition and combination as a technique.



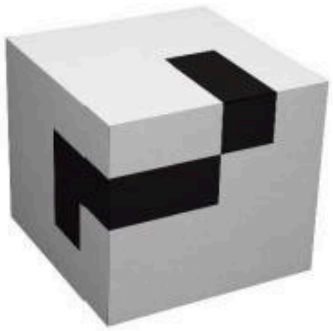


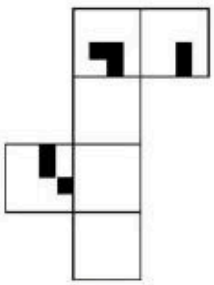
(i) (ii) (iii) (iv) (v) (vi)

(A) (iii) (iv) (v) (vi)
(B) (i) (iii) (v) (vi)
(C) (i) (ii) (iii) (v)
(D) (ii) (iv) (v) (vi)

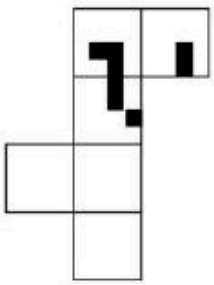


Q20. Which of the papers sets when folded along the intermediate borders can form the cube as given in the image below?

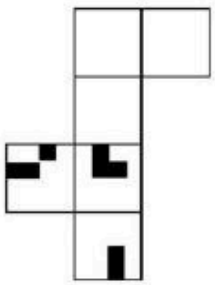




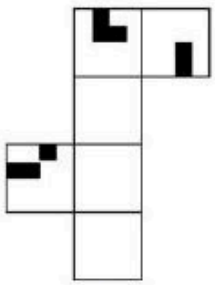
(A)



(B)

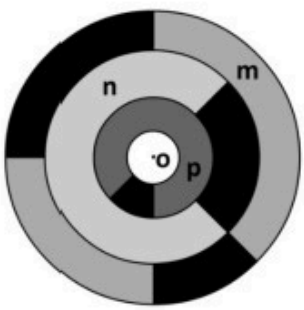


(C)



(D)

Q21. Observe the image given.



Please imagine the following process –

1. Rotate disc "m" 90 degrees clockwise around the center "o"
2. Rotate disc "n" 180 degrees counter-clockwise around the center "o"
3. Rotate disc "p" 180 degrees clockwise around the center "o"

What will the resultant figure look like?



(A)



(B)

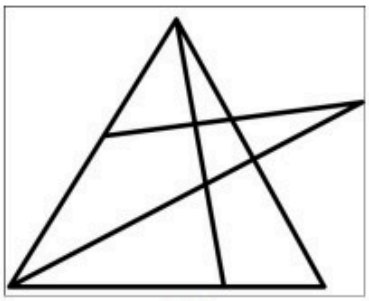


(C)

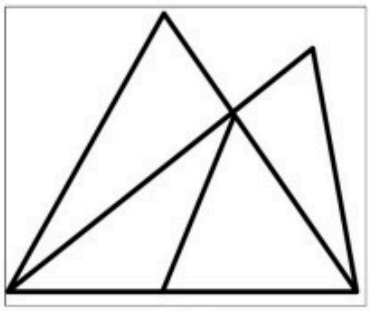


(D)

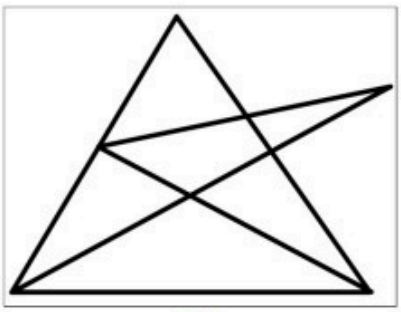
Q22. Which of the following figures can be drawn, if you have to draw it without lifting your pencil and without drawing over the line(s) you have already drawn.



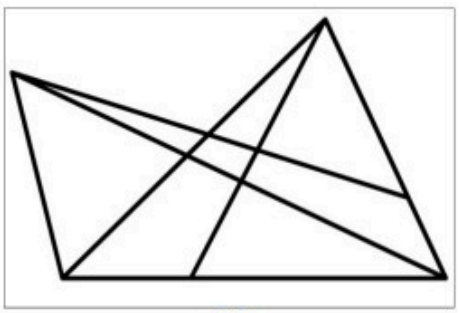
(A)



(B)



(C)



(D)

B.Des./GDPD

DAT Prelims

Sample Test Paper

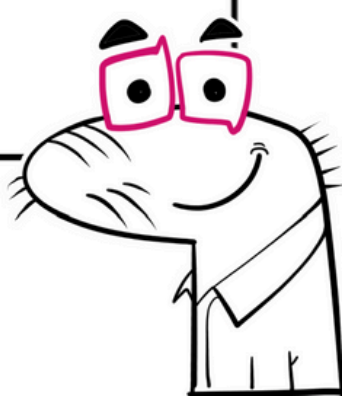
Part-II

Questions 23 to 26 are of subjective type. Do not write your name anywhere in the booklet. This will lead to disqualification.

Q23. Observe the image of the scene as given below. A person tries to enter the room by a ladder from outside the window and sees the scene inside the room. Visualise and draw the scene from the person's point of view. No colour to be used. (15 marks)



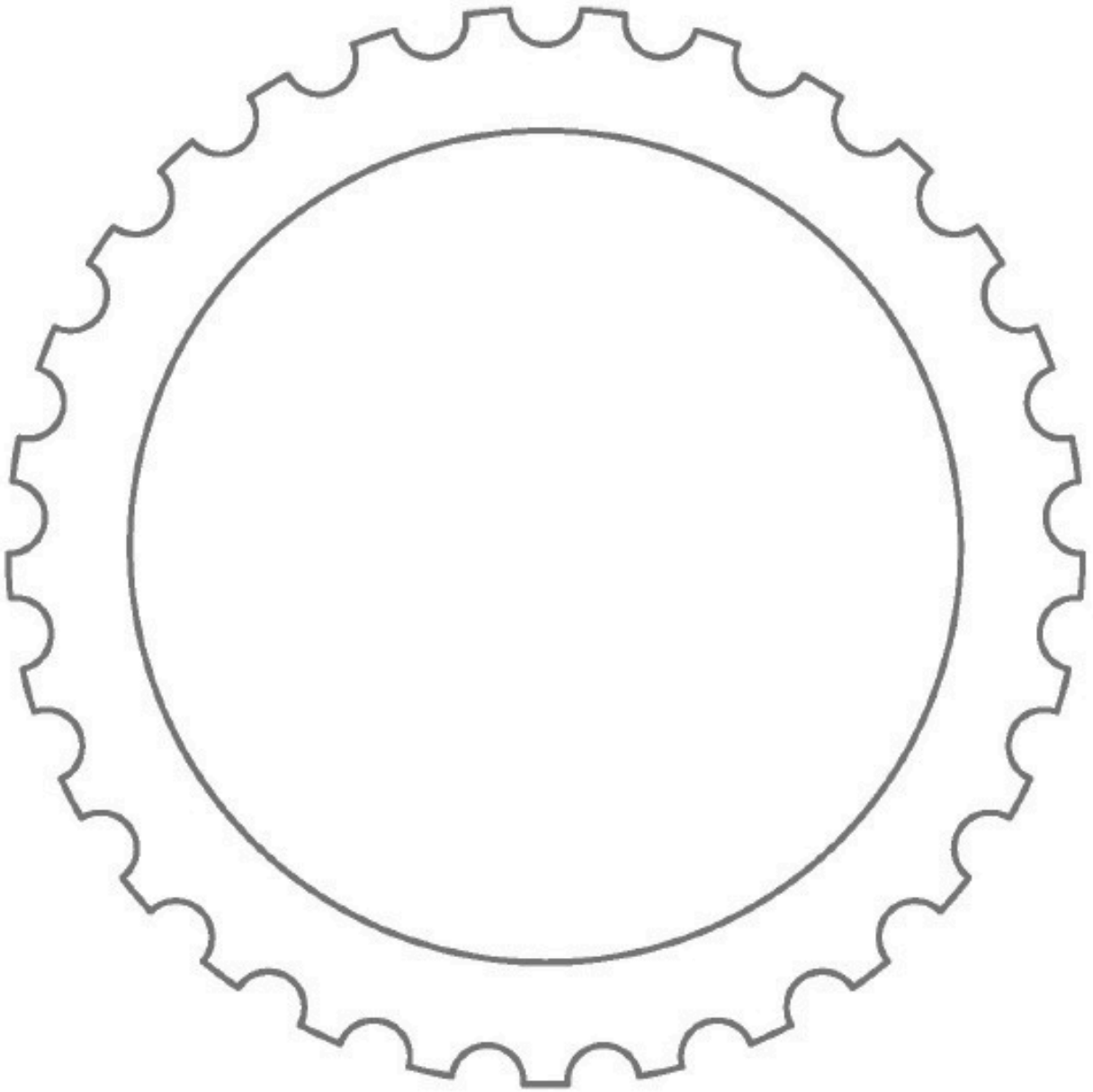
Point of view



Q24. Imagine and draw a real life situation which represents *"All that is gold does not glitter''* in a meaningful way. Use the space given to draw and explain your interpretation in 5 lines. No colour to be used.

(20 marks)

Q25. To commemorate the 150th birth anniversary of Mahatma Gandhi, the Government of India has invited ideas to design a CIRCULAR postage stamp (Rs.20) from young minds. Depict your idea for the stamp in the given format. (you need to use colours). (15 marks)



Q26. Visualise & draw the following as instructed. Do not use colour.

A Draw a person sitting at a dining table with a plate, stainless steel spoon and fork laid out in front of him/her. (8 marks)

B. An ant is sitting on the tip of a spoon handle. Draw the view of the table from the point of view of an ant. (6 marks)

C. Visualise and draw a stainless steel spoon and fork tied into a knot at their handles. (6 marks)

