

CDS DAT Sample Paper

(Q, Nos. 1-5) *Fill in the blanks with the suitable word given in the options.*

1. Life is to death as pleasure is to

- (a) poverty
- (b) suffering
- (c) anguish
- (d) pain

Ans – d

2. 'Please' and 'thank you' are the little courtesies by which we keep the of life oiled and running smoothly.

- (a) path
- (b) machine
- (c) garden
- (d) river

Ans- b

3. Many of the advances of the civilization have been conceived by young people just on the of adulthood.

- (a) boundary
- (b) threshold
- (c) peak
- (d) horizon

Ans- b

4. The more your action and thought are allied and the happier you grow.

- (a) divergent
- (b) unravelled
- (c) integrated
- (d) invincible

Ans- c

5. He in wearing the old-fashioned coat in spite of his wife's disapproval.

- (a) insists
- (b) persists
- (c) desists
- (d) resists

Ans – b

DIRECTIONS (Q. Nos. 6-10) *Choose the option that is the plural form of the given word.*

6. Face

- (a) Faces
- (b) Facess
- (c) Facies
- (d) Facees

Ans- a

7. Issue

- (a) Isssuies
- (b) Issuess
- (c) Issues
- (d) Issuees

Ans- c

7. Issue

- (a) Isssuies
- (b) Issuess
- (c) Issues
- (d) Issuees

Ans- d

9. Child

- (a) Childs
- (b) Childes
- (c) Childess
- (d) Children

Ans- a

10. Tooth

- (a) Teeth
- (b) Tooths
- (c) Toothes
- (d) Teeths

Ans- a

11. When 5% is lost in grinding wheat, a country has to import 20 million bags to make up for the loss. But when only 2% is lost, it has to import 15 million bags. What is the quantity of wheat which grows in the country in million bags?

- (a) $133\frac{1}{3}$
(b) 150
(c) $106\frac{2}{3}$
(d) $166\frac{2}{3}$

Ans –d

12. In a consumer preferences survey, 20% respondents opted for product A, whereas 60% opted for product B. The remaining individuals were undecided. If the difference between those who opted for product B and those who were undecided is 720, how many individuals had been interviewed for the survey?

- (a) 1440
(b) 1800
(c) 3600
(d) Data inadequate

Ans- b

13. A, B and C invested capitals in the ratio 7 : 3 : 2. At the end of the business term, they received the profits in the ratio 2 : 3 : 7. Find the ratio of time for which they contributed their capitals.

- (a) 4 : 14 : 49
(b) 49 : 14 : 41
(c) 14 : 41 : 49
(d) 49 : 41 : 4

Ans-a

14. A, B and C have 40, x and y balls, respectively. If B gives 20 balls to A, he is left with half as many balls as C. If together they had 60 more balls, each of them would have had 100 balls on an average, what is the ratio of x to y?

- (a) 3 : 2
(b) 2 : 3
(c) 2 : 1
(d) 3 : 4

Ans- b

15. If 9 engines consume 24 metric tonne of coal, when each is working 8 h, a day, how much coal will be require for 8 engines, each running 13 h a day, it being given that 3 engines of former type consume as much as 4 engines of latter type?

- (a) 23 metric tonne
(b) 24 metric tonne
(c) 25 metric tonne
(d) 26 metric tonne

Ans- d

16. Two partners invested Rs 1250 and Rs 850 respectively in a business. Both the partners shared 60% of the profit and distributed the rest 40% as the interest on their capitals. If one partner received Rs 30 more than the other, the total profit is

- (a) Rs 262.50
- (b) Rs 622.50
- (c) Rs 220.50
- (d) Rs 226.50

Ans- a

17. A person has chemical of Rs 25 per litre. In what ratio should water be mixed in that chemical, so that after selling the mixture at Rs 20 per litre he may get a profit of 25%?

- (a) 12 : 15
- (b) 16 : 9
- (c) 13 : 16
- (d) 19 : 22

Ans- b

18. A wire of length 60 m is used to enclose a field which is in the shape of a right angled triangle. The area of the field is 150 m^2 . Then, the largest side of the field has a length of

- (a) 30 m
- (b) 20 m
- (c) 25 m
- (d) 15 m

Ans- c

19. A, B and C enter into a partnership. A contributes Rs 320 for 4 months, B contributes Rs 510 for 3 months and C contributes Rs 270 for 5 months. If the total profit is Rs 208, then find the profit share of A, B and C.

- (a) Rs 64, Rs 76.5, Rs 67.5
- (b) Rs 46, Rs 76.5, Rs 67
- (c) Rs 40, Rs 50, Rs 65
- (d) Rs 62, Rs 72, Rs 82

Ans- a

20. A man bought two packets of toffees, the same number in each. The first, he bought at 5 paise each, but the second at 3 for 13 paise. He then mixed them all together and sold them at 70 paise a dozen. His gain is

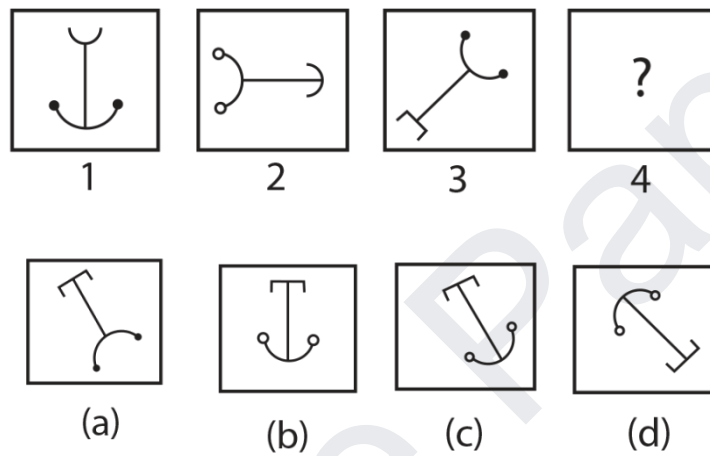
- (a) 25%
- (b) 12%

- (c) 24%
(d) 16%

Ans- a

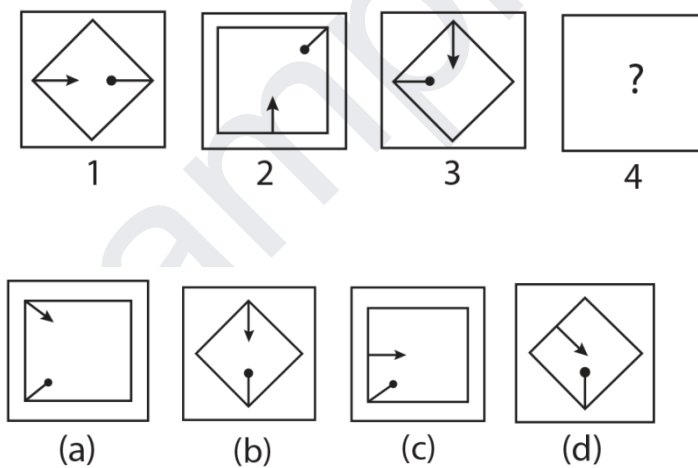
DIRECTIONS (Q. Nos. 21-22) Each of the following questions consist of the sets of figures. Figures 1, 2, 3 and 4 constitute the problem figures, (a), (b) (c) and (d) constitute the answer figures. There is a definite relationship between figures 1 and 2. Establish a similar relationship between figures 3 and 4 by selecting a suitable figure from the answer figure that would replace the question mark (?) in figure 4?

21.



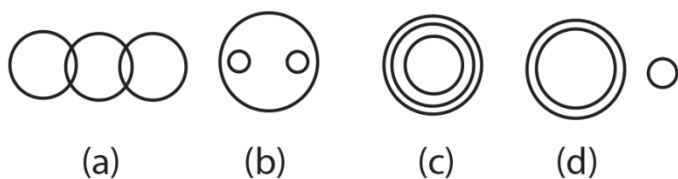
Ans- c

22.



Ans- c

DIRECTIONS (Q. Nos. 23-25) As per the below diagram, which diagram represents the relationship given in the following statements.



23. Food, Curd, Spoons

Ans- d

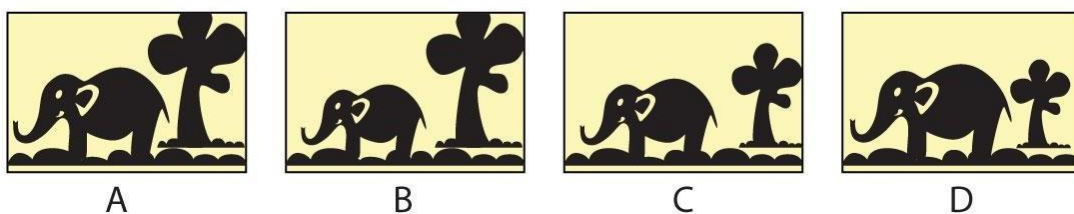
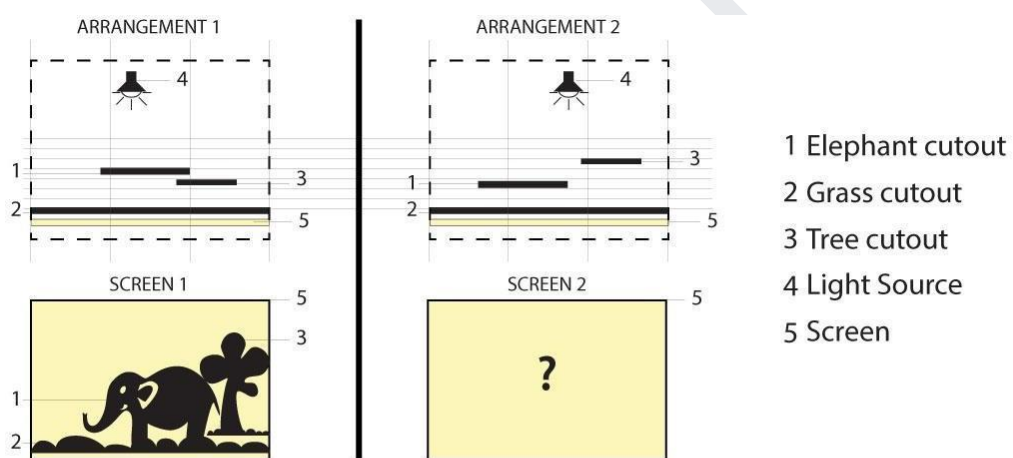
24. Teachers, Educated, Employed

Ans- c

25. Criminals, Pickpocketers and Arsonists

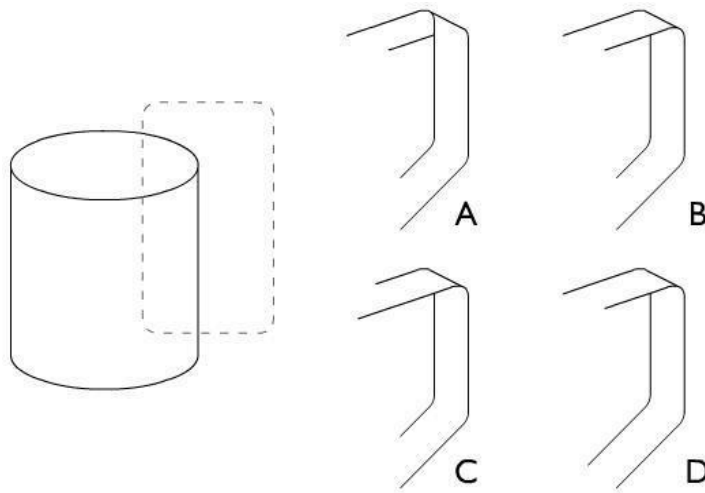
Ans- b

26. Figure on the left represents a screen from a shadow puppetry show with the ARRANGEMENT 1 behind the screen. Which of the options will be the closest representation of the screen as a result of ARRANGEMENT 2?



Ans- B

27. The handle was erased from the drawing of a mug. Which of the options represents the part that was erased?



Ans- B

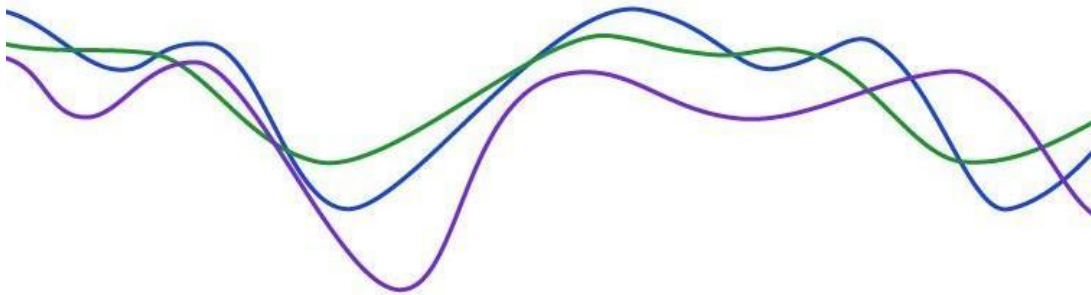
28. Which of the options will replace the question mark in the given sequence?

F K ? U Z

- A. **C**
- B. **O**
- C. **P**
- D. **R**

Ans- C

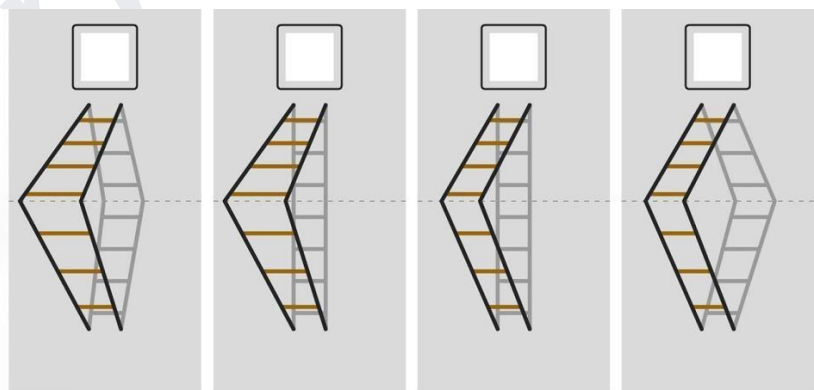
29. Two of the three lines shown below indicate the tracks made by a bicycle. Identify which is the front tyre track and which is the rear tyre track.



- A. Green is front, Purple is rear
- B. Green is front, Blue is rear
- C. Blue is front, Green is rear
- D. Blue is front, Purple is rear

Ans- C

30. An artwork on a paper creates an illusion of a ladder resting on a wall when the paper is folded and viewed from a specific angle as shown in the image. Which of the options correctly depicts this artwork on the paper when unfolded?



A

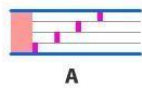
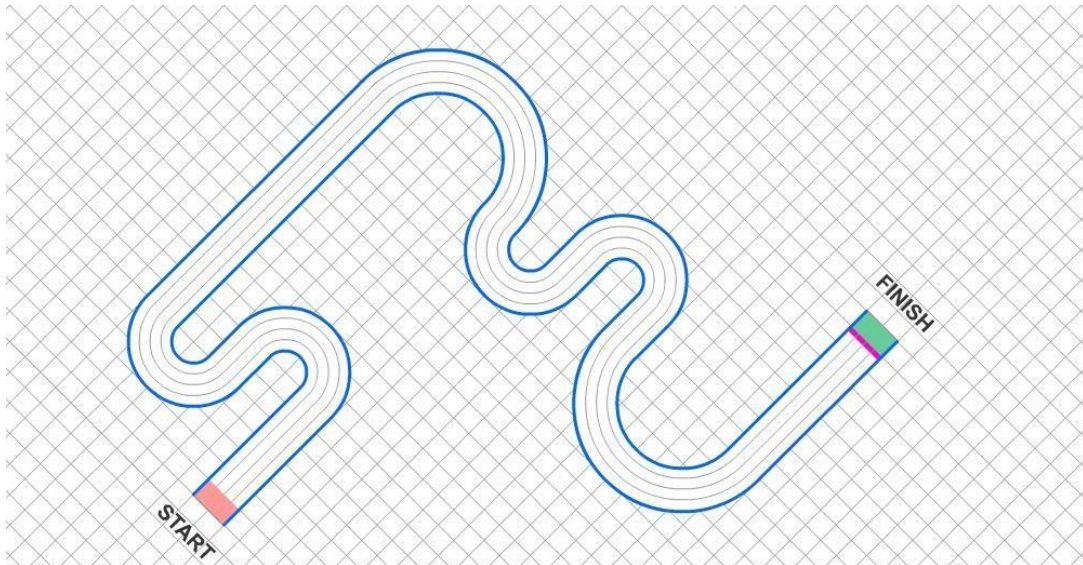
B

C

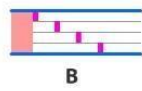
D

Ans- C

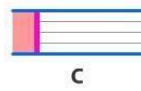
31. On a race track shown below choose the correct starting configuration. The athletes are not allowed to change the tracks. Each grid is 2 m x 2 m.



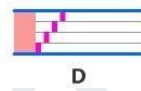
A



B



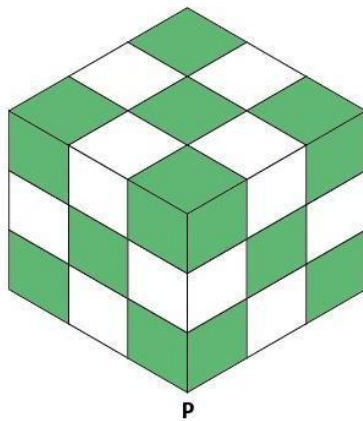
C



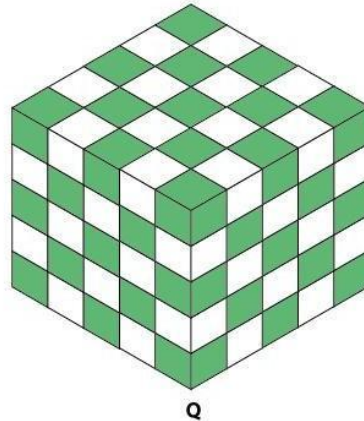
D

Ans- C

32. Two identical cubes **P** and **Q** are made of smaller cubes in $3 \times 3 \times 3$ and $5 \times 5 \times 5$ configurations, respectively as shown below. Alternate cubes are painted green and white as indicated. Identify the correct option.



P

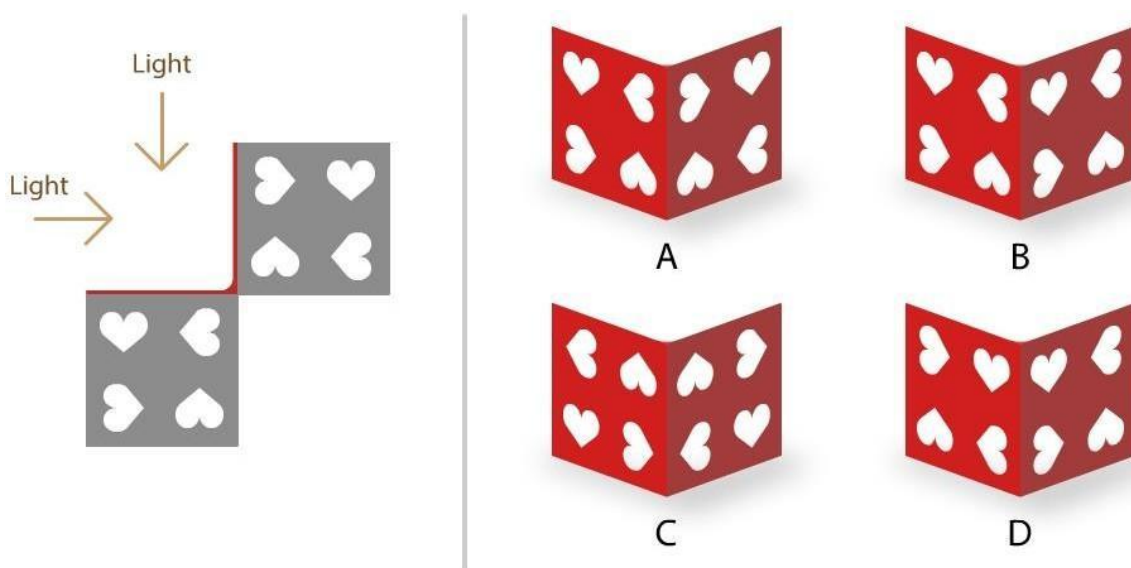


Q

- A. The surface area of green is more in **P** than in **Q**
- B. The surface area of white is more in **P** than in **Q**
- C. The surface areas of green and white are the same in **P** and **Q**
- D. The surface area of green is the same but the area of white is different in **P** and **Q**

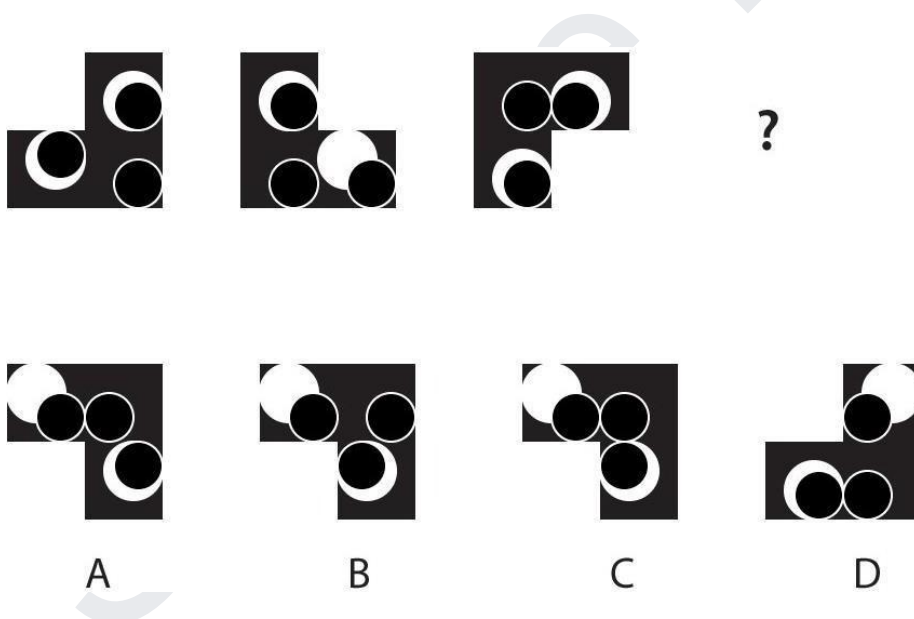
Ans- A

33. The image shows the top views of an L shaped sculpture resting on a planar ground. When light falls on it at an angle of 45 degrees from the ground in the directions marked as an arrow in the image, the corresponding shadows are formed on the ground. Which of the options is this sculpture?



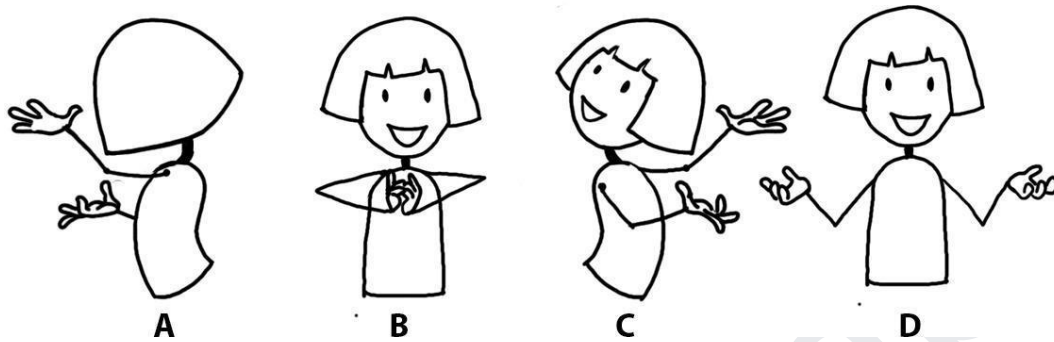
Ans- D

34.



Ans- B

35. An animator was trying out options of various rough poses while planning a frame of a shot. Mirroring and silhouetting are two aspects that animators need to consider when deciding whether a pose is good or not. (The left and right side having the same pose, i.e. mirrors of one another is called Mirroring. Silhouetting refers to the shape of the pose if it was a silhouette, i.e. the outline of the pose.) Based **ONLY** on these two aspects, which of the options can be considered the **WEAKEST** pose?

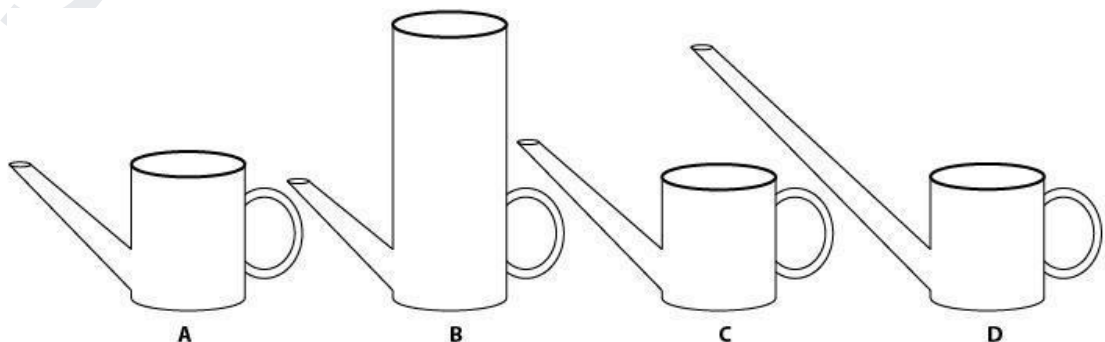


Ans- B

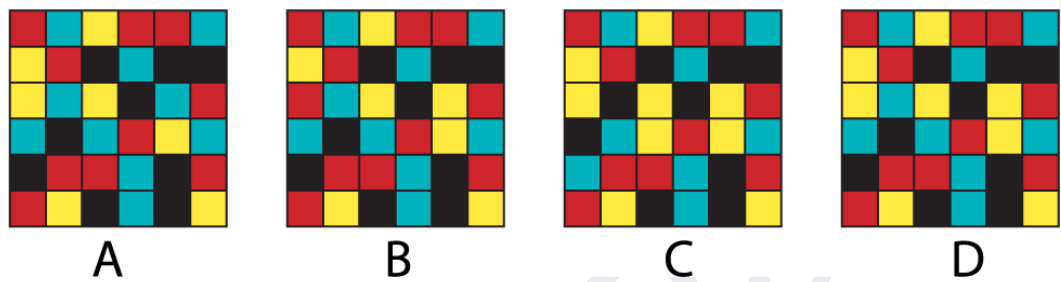
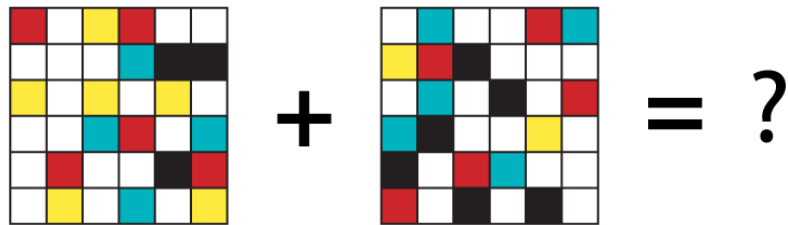
36. At 6:00 pm, the hour hand and the minute hand of an analog clock are at 180 degrees with each other. After approximately how much time will they be at 180 degrees with each other again?
- A. 48 minutes, 40 seconds
 - B. 54 minutes, 33 seconds
 - C. 60 minutes
 - D. 65 minutes, 27 seconds

Ans- D

37. Which of the kettles shown below can hold the most amount of water when placed on an even, horizontal surface?

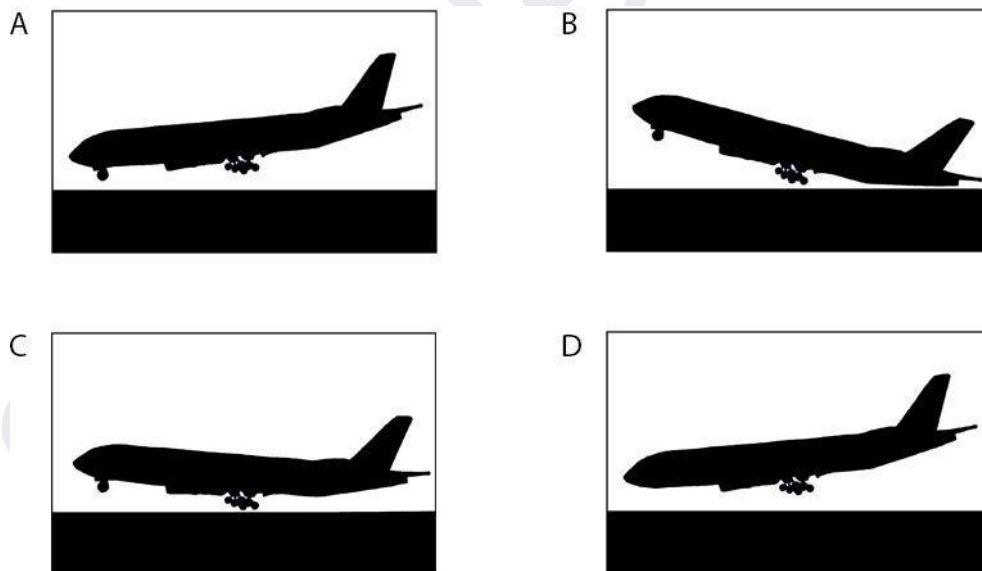


38.



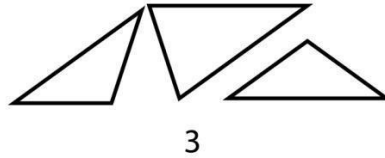
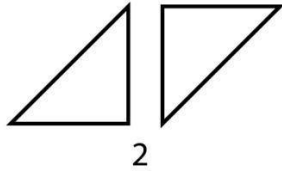
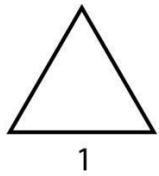
Ans- D

39. A plane is landing smoothly on the airport runway. Select the correct picture.



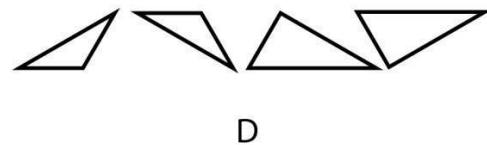
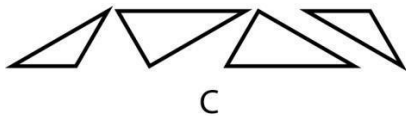
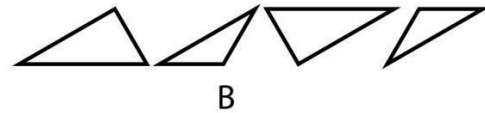
Ans- C

40. In the series given, the first is an equilateral triangle, the second becomes a square by rearranging the pieces, and the third becomes a regular pentagon **without any rotation**. Similarly, the fourth becomes a regular hexagon. Which of the options given therefore replaces the question mark?



?

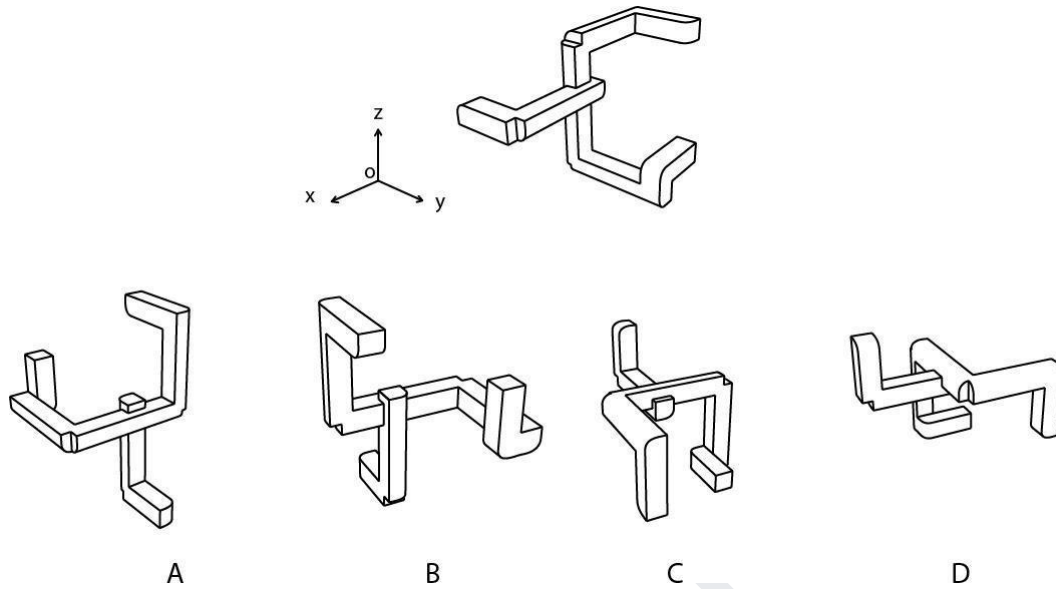
4



Ans- C

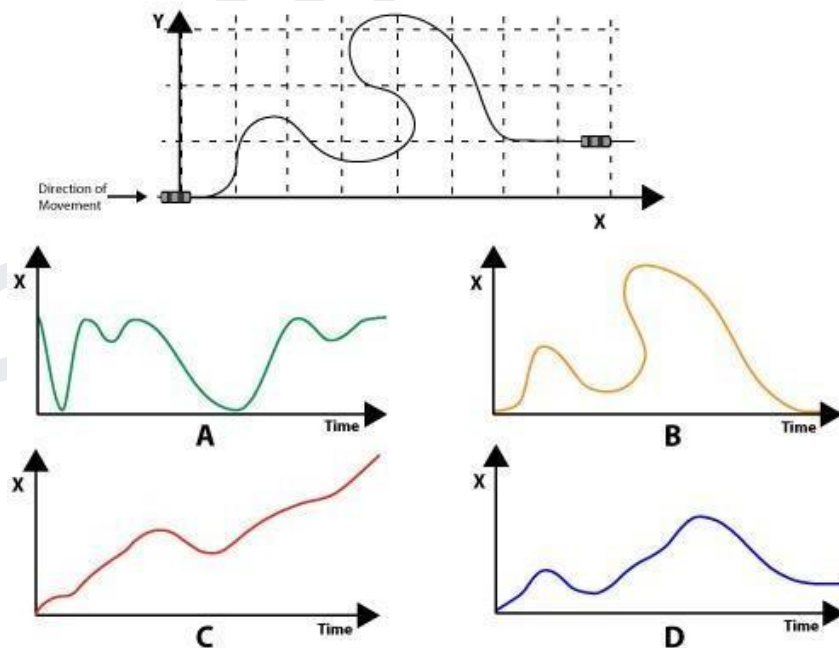
41. Perspective view of an object is shown. The object is rotated with respect to the fixed coordinate system as indicated:

90 degrees clockwise about **x**-axis, 90 degrees anti clockwise about **y**-axis, 90 degrees anticlockwise about **z**-axis. All rotations are when viewed from a point on the positive axis towards the origin. Which one of the following perspective view options will be the result of the rotations?



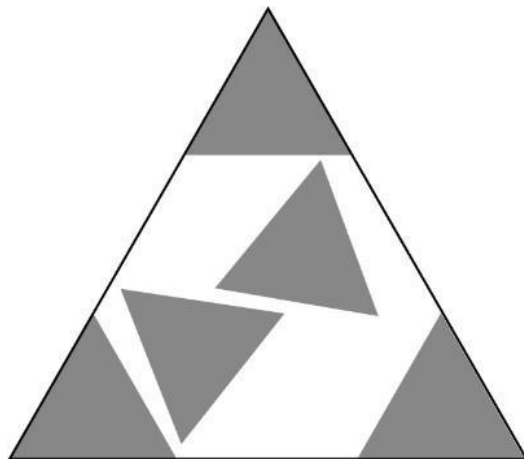
Ans- A

42. A car moves along a curving road at constant speed. Which of the following graphs correctly show(s) the movement of the car in the X direction with respect to time?



Ans- C

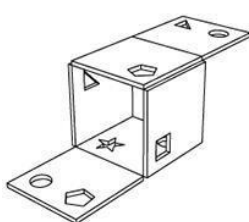
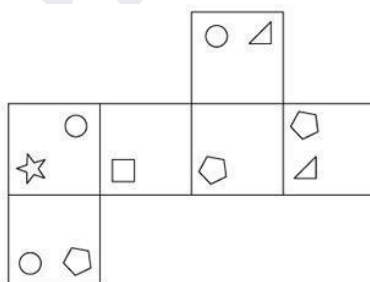
43. Five small triangles of equal size are fitted in a large triangle as shown below.
Approximately what percentage (%) of area in the large triangle is **empty**?



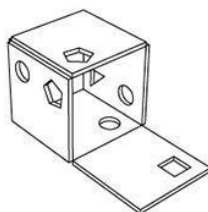
- A. 33
- B. 44
- C. 55
- D. 66

Ans- B

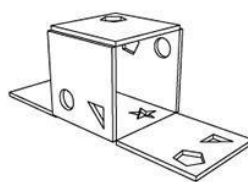
44. The image below shows the developed surface of a cube. Which of the options will **NOT** open up as the shown image?



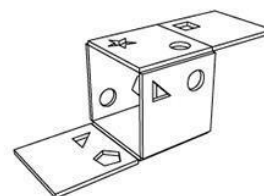
A



B



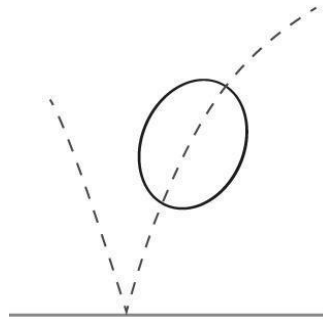
C



D

Ans- B

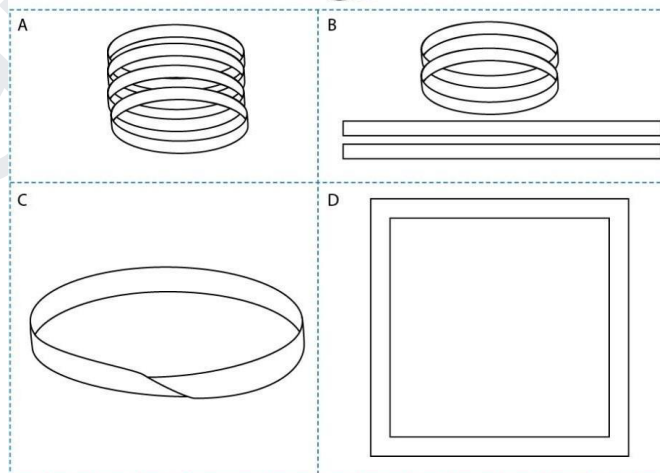
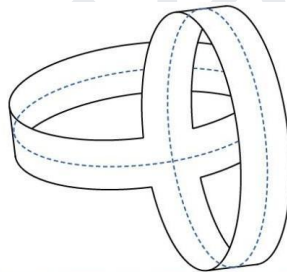
45. A frame of a bouncing ball is shown in the picture. This shows the animation principle of



- A. Stretching Principle
- B. Distortion Principle
- C. Squash and Stretch Principle
- D. Motion Principle

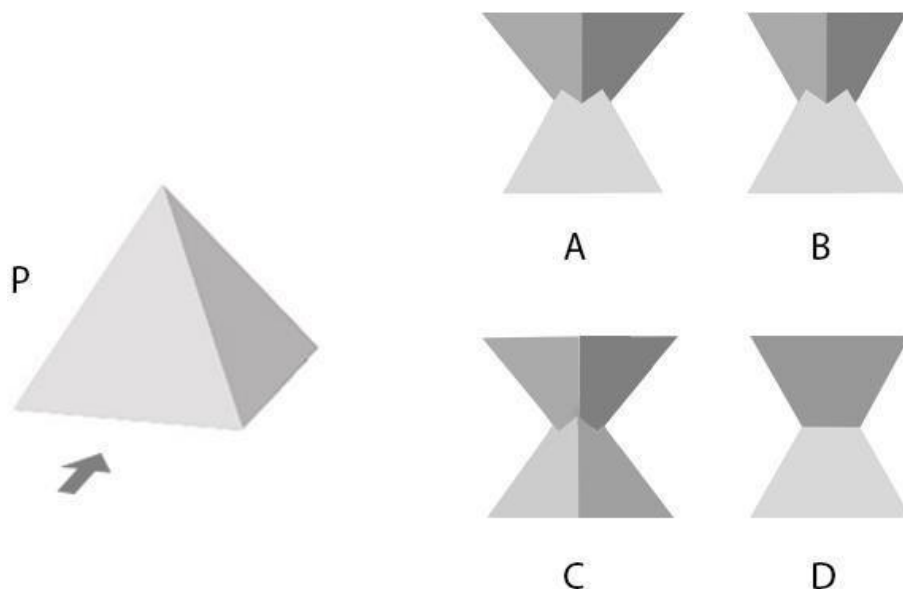
Ans- C

46. Two paper loops are joined together as shown in the figure below. If you cut the loops along the blue dotted line, what will be the resultant figure?



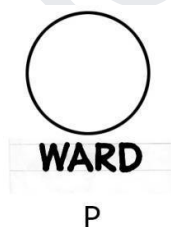
Ans- D

47. Reference image of a square pyramid, P, is provided on the left. Assume Q as an identical pyramid created by mirroring P in upward direction. Q was rotated by 135 degrees around the vertical axis and then brought down so that the two pyramids intersect. Which of the options is the resultant view as seen from the given direction arrow?



Ans- A

48. Figure shows the top view of a cylinder with mirror finish kept on a paper on which the word 'WARD' is written. Which of following images is the best representation of the word and its reflection?



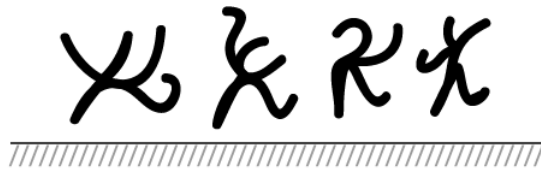
Ans- A

49. Which letter is **NEVER** used while printing the calendar mentioning names of all the days of the week and months in full form?

- A. W
- B. G
- C. K
- D. V

Ans- C

50. Which option depicts the reflection of the figure given below?



Ans- D