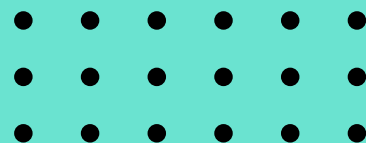
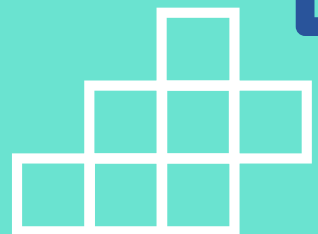


MOCK TEST - 1



Design
Mentor
Studio

FULL LENGTH UCEED MOCK TEST



Part A with NAT, MSQ, MCQ & Part B
prepared by CEED top rankers

QUESTIONS

TEST INSTRUCTIONS

1. The total duration of the examination is 3 hours. The question paper contains two parts – Part A and Part B. The duration of Part A is **2 hours and 30 minutes**. Part B will begin after Part A ends. Part A is divided into three sections, 1, 2 and 3. All sections are compulsory. Questions in each section are of different types. There are a total of **68 questions** carrying a total of 240 marks. Questions of Part A will appear on the computer. Answers to **Part A** have to be entered in the **computer**. **Part B** is also compulsory and contains **1 drawing question** of 60 marks.

2. Marking scheme of Part A is as follows:

Section	Number of questions	Marks for each correct answer	Marks for each wrong answer	Marks for each question not attempted	Total marks for the section
NAT	18	4	0	0	72
MSQ	18	4	-0.19	0	72
MCQ	32	3	-0.71	0	96
Total	68				240

3. **Section 1 (72 Marks)** of Part A contains a total of 18 **Numerical Answer Type (NAT)** questions. For each question, the answer is a **real number with decimal digits up to two decimal places** that needs to be entered using the virtual keyboard on the monitor. No choices will be shown for these questions. There is **NO NEGATIVE MARKING** for this section. Questions from 1 to 18 belong to this section.

4. **Section 2 (72 Marks)** of Part A contains a total of 18 **Multiple Select Questions (MSQ)**. Each question may have **one or more than one correct choice(s)** out of the four given. A question is considered correctly answered if **ALL** the correct choices and **NO** wrong choices are selected for that question. There is **NEGATIVE MARKING** for this section. There is **NO PARTIAL MARKING** for this section. Questions from 19 to 36 belong to this section.

5. **Section 3 (96 Marks)** of Part A contains a total of 32 **Multiple Choice Questions (MCQ)**. Each question has four choices out of which **ONLY ONE** is correct. There is **NEGATIVE MARKING** for this section. Questions from 37 to 68 belong to this section.

6. **Part B (60 Marks)** contains one drawing question. There is **NO NEGATIVE MARKING** in this section. Answers to Part B have to be given in separate A4 sheets.

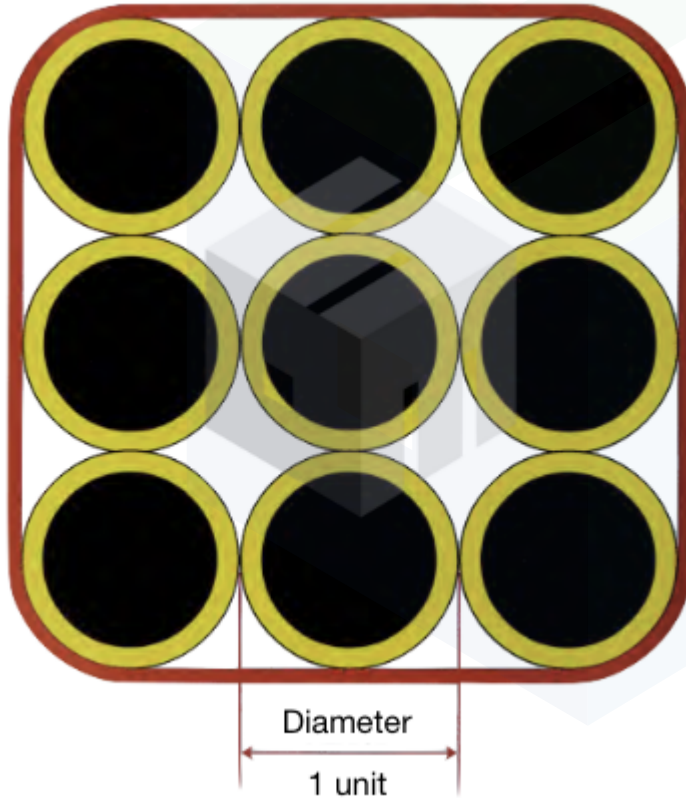
SECTIONS

1. NAT - 18 Questions
2. MSQ - 18 Questions
3. MCQ - 32 Questions
4. Part - B - Sketching - 1 Questions

SECTION INSTRUCTIONS

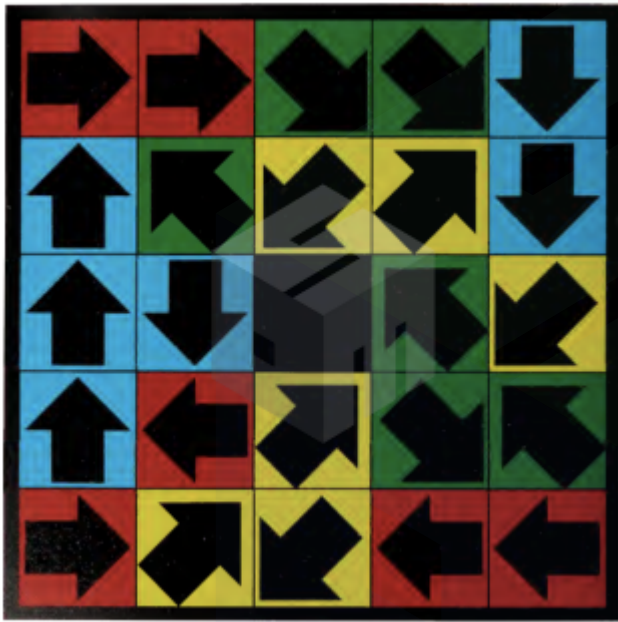
Section 1 (72 Marks) of Part A contains a total of 18 Numerical Answer Type (NAT) questions. For each question, the answer is a real number with decimal digits up to two decimal places that needs to be entered using the virtual keyboard on the monitor. No choices will be shown for these questions. There is NO NEGATIVE MARKING for this section. Questions from 1 to 18 belong to this section.

- 1 Nine pipes are tied tightly together by a red metal band. How long is the band?



Correct: +4

- 2 Using the 24 arrow blocks positioned as they are here, start anywhere and visit cells by following the directions pointed out by the arrows from cell to cell horizontally, vertically, or diagonally.
How many cells can you visit in a continuous path without visiting any cell more than once?



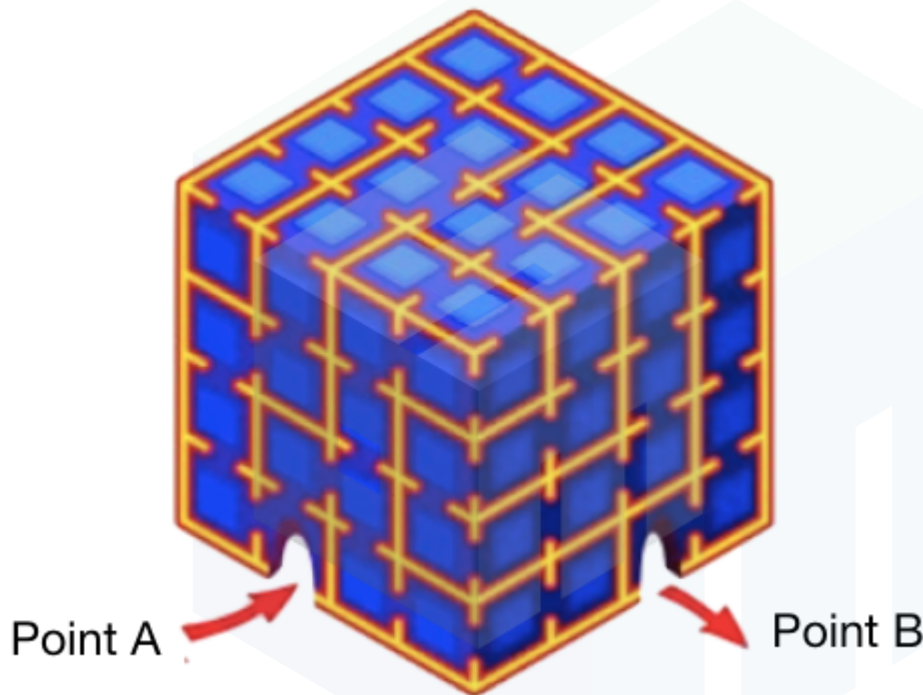
Correct: +4

- 3 What is the ratio between the dark part of the Moon and the Crescent?



Correct: +4

- 4 A mouse enters a bigger cube shaped maze from point A and navigates through to come out from point B. The bigger cube is made up of some smaller cubes with passages carved out from inside, some of which are visible from the outside view of the bigger cube. Through how many smaller cubes does the mouse cross. Also count the first & last cube from where the mouse enters/exits



Correct: +4

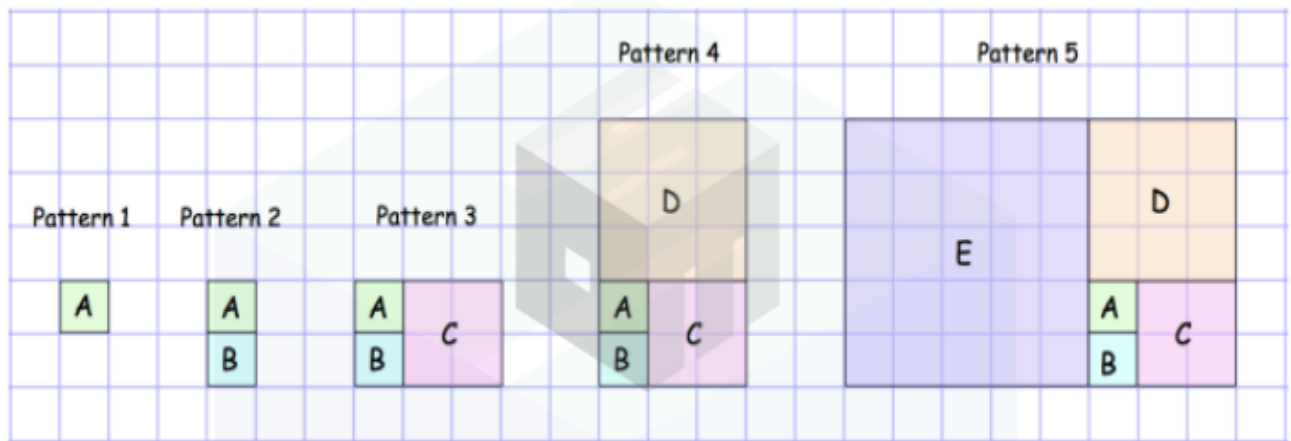
- 5 This ancient arch was made by stacking up rocks of different shapes and sizes. In this arrangement some rocks are exactly the same shape & size. How many such rocks are there (if two rocks are identical, count them as 2)



Correct: +4

- 6 A basket contains x black, 4 red and 5 green color balls. One ball is taken at random by Anam and the probability of getting a green color ball is $\frac{1}{3}$, and then she calculates the number of balls in the basket. How many did she find?

- 7 Ashwin generates a pattern on a paper which has equally sized grid squares marked on it. The dimension of each side of the grid square is 1 cm



What would be the length of each side of square H?

Correct: +4

- 8 If each letter is written in a font and normal and bold versions of the same font are not to be counted separately, how many fonts are used in the given set of letters?

கு வ றீ ல னு
 ன ஐ கு ஐ யீ
 ே கு ஐ ஐ ஹி

Correct: +4

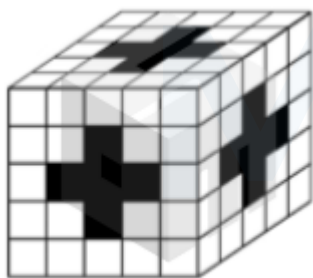
- 9 How many numbers given belong can fit inside the box mentioned on the right. The numbers may be rotated



- 10 Arun and Asif were throwing in turns a single die when they thought of such a game: If a one is thrown by either player, Arun pays Asif 5 rupees, but when some other value comes out, Asif pays Arun 10 rupees. After 30 throws, it turned out that they were square, and neither of them won 'a single penny'. How many times did a one come out?

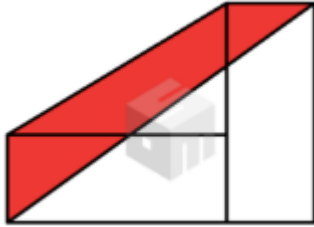
Correct: +4

- 11 Several tiny cubes were glued together to form a $5 \times 5 \times 5$ hexahedron in such a way that three hollow tunnels were created running across the whole solid. Their cross-sections were blackened in the figure below. How many small cubes were used to build this hexahedrons with holes in them?



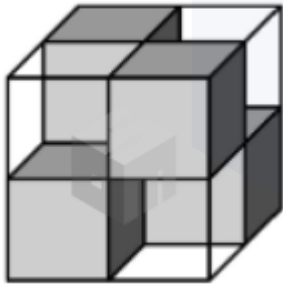
Correct: +4

12 Two congruent (equal area) rectangles. The area of each rectangle is 10. What is the red area?



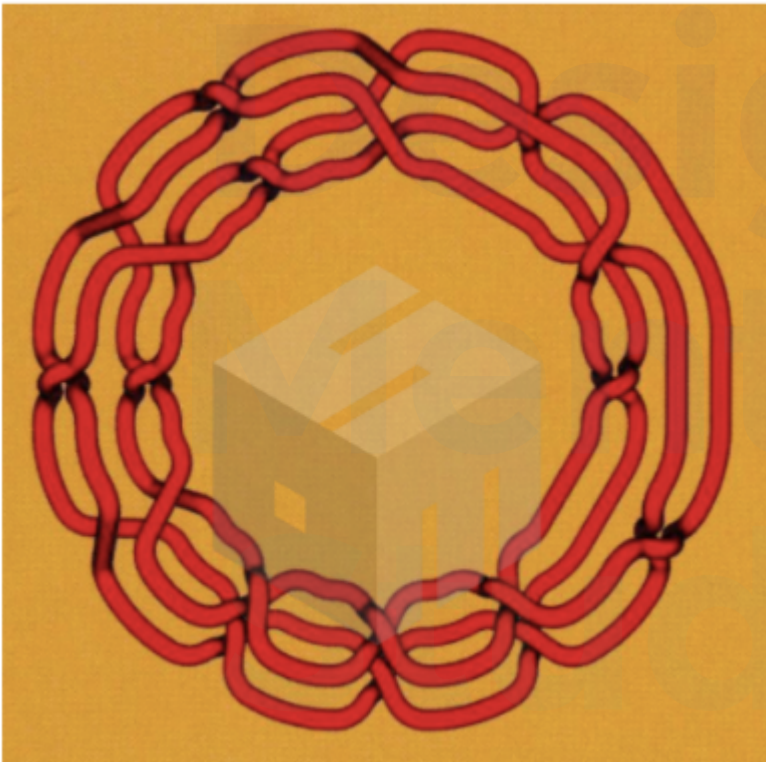
Correct: +4

13 In the diagram to the right a $2 \times 2 \times 2$ cube is made up of four transparent $1 \times 1 \times 1$ cubes and four non-transparent black $1 \times 1 \times 1$ cubes. They are placed in a way so that the entire big cube is nontransparent; i.e. looking at it from the front to the back, the right to the left, the top to the bottom, at no point you can look through the cube. What is the minimum number of black $1 \times 1 \times 1$ cubes needed to make a $3 \times 3 \times 3$ cube non-transparent in the same way?



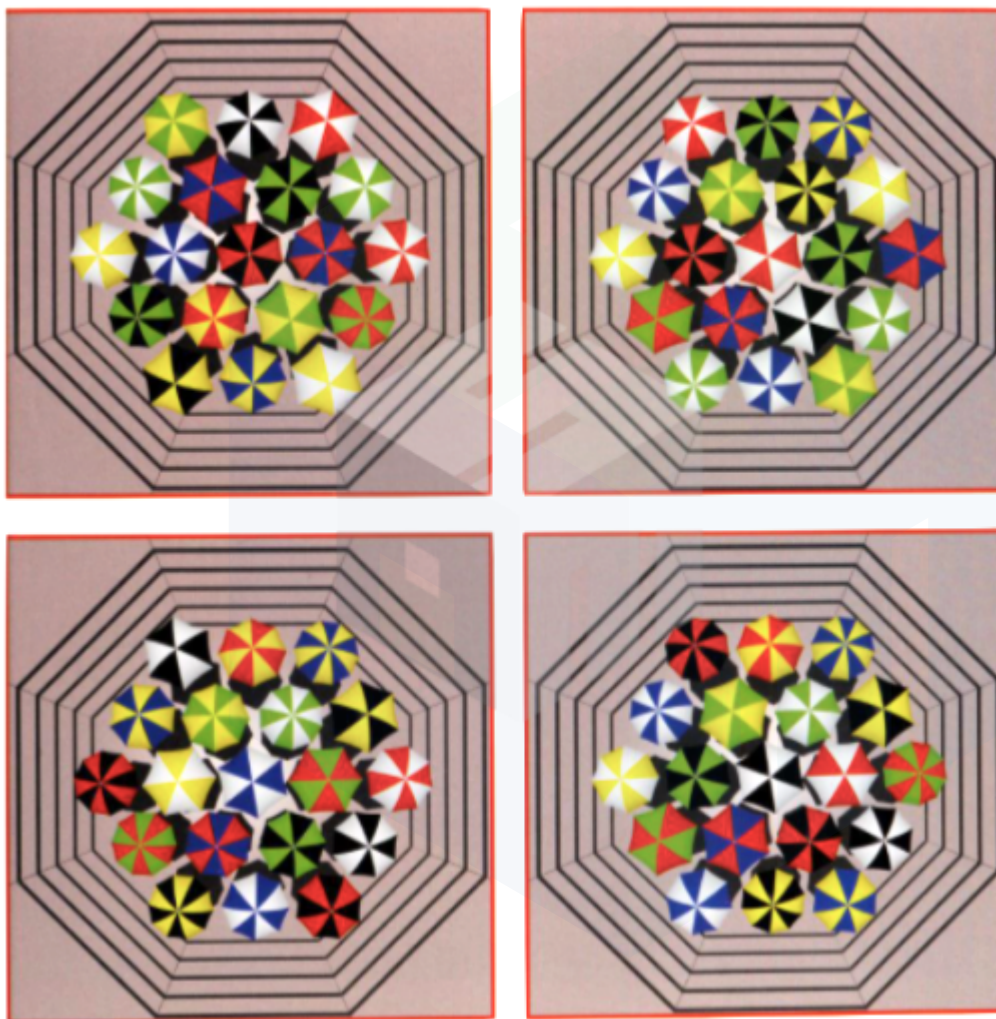
Correct: +4

14 How many separate strands make up the shape given below



Correct: +4

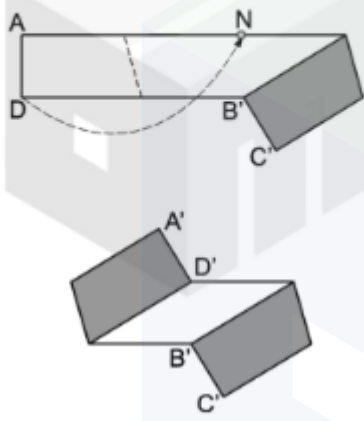
- 15 Mr Wankhede bought some umbrellas from a warehouse which he had to distribute to four groups. How many similar umbrellas can be spotted in all the four groups (if a set of similar umbrellas are common in the 4 groups, count them as 1)



Correct: +4

Design
Mentor
Studio

- 16 A rectangular piece of paper $ABCD$ is 5 cm wide and 50 cm long. The paper is white on one side and grey on the other. Manya folds the strip as shown so that the vertex B coincides with M the midpoint of the edge CD . Then she folds it so that the vertex D coincides with N the midpoint of the edge AB . How big is the area of the visible white part in the diagram? (in cm square)



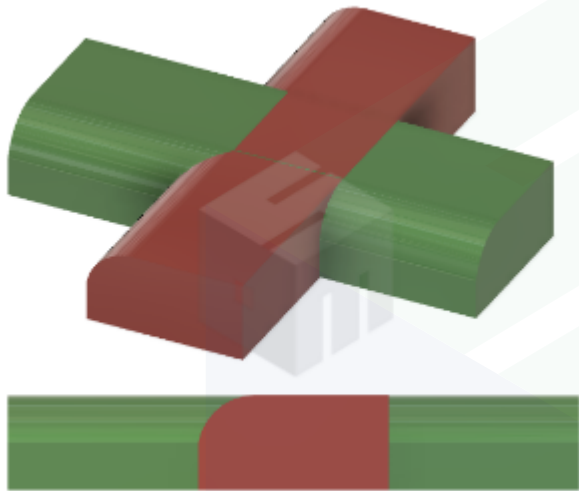
Correct: +4

- 17 The solid shown in the diagram has 12 regular pentagonal faces, the other faces being either equilateral triangles or squares. Each pentagonal face is surrounded by 5 square faces and each triangular face is surrounded by 3 square faces. Jatin writes 1 on each triangular face, 5 on each pentagonal face and -1 on each square. What is the total of the numbers written on the solid?



Correct: +4

- 18 A union of two similar solids is shown below. The red solid is intersected at a right angle with the green solid, the centre of both the solids are the same. A perspective and side view depicts how they intersect. Visualise the new solid formed from their intersection(the part common to both of them). How many surfaces will the new solid have.



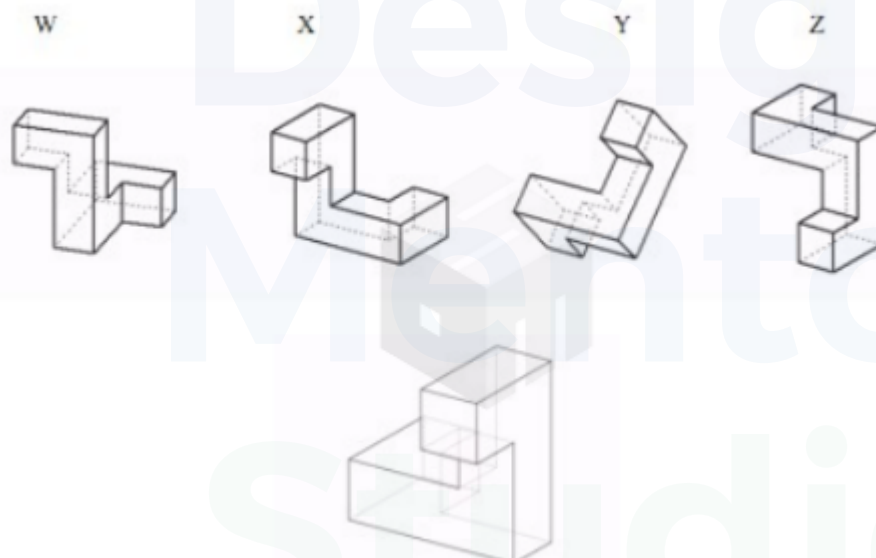
Correct: +4

Section 2 : MSQ - 18 Questions

SECTION INSTRUCTIONS

Section 2 (72 Marks) of Part A contains a total of 18 Multiple Select Questions (MSQ). Each question may have one or more than one correct choice(s) out of the four given. A question is considered correctly answered if ALL the correct choices and NO wrong choices are selected for that question. There is NEGATIVE MARKING for this section. There is NO PARTIAL MARKING for this section. Questions from 19 to 36 belong to this section.

- 19 Which of the following objects can be created by rotating the given object in space?

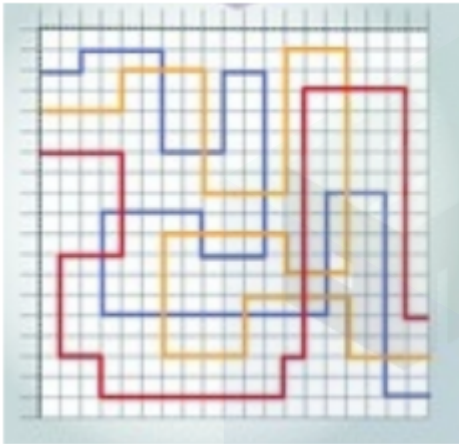


- ☐ W
- ☐ X
- ☐ Y

☐ Z

Correct: +4 · Incorrect: -0.19

- 20 Given are paths of three lines Red, Green and Blue on a fixed grid. Considering the paths, which color equation/s from the right holds true

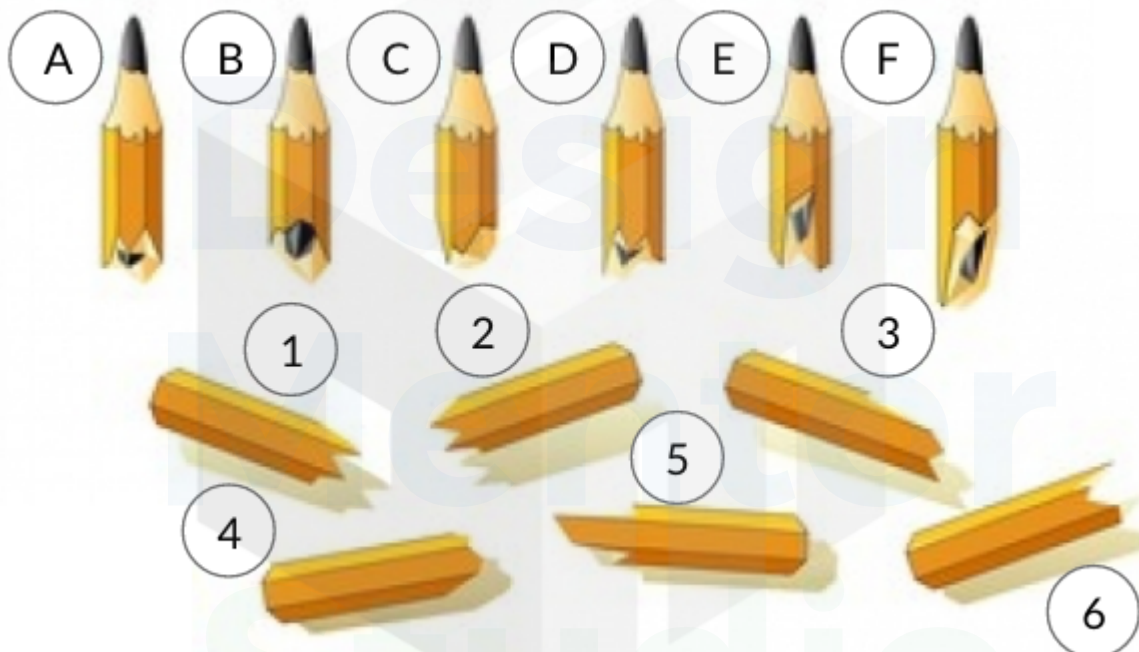


- A) $\square = \square$
B) $\square > \square$
C) $\square = \square$
D) $\square < \square$

- ☐ A
☐ B
☐ C
☐ D

Correct: +4 · Incorrect: -0.19

- 21 Which of the statement/s from the following is/are true

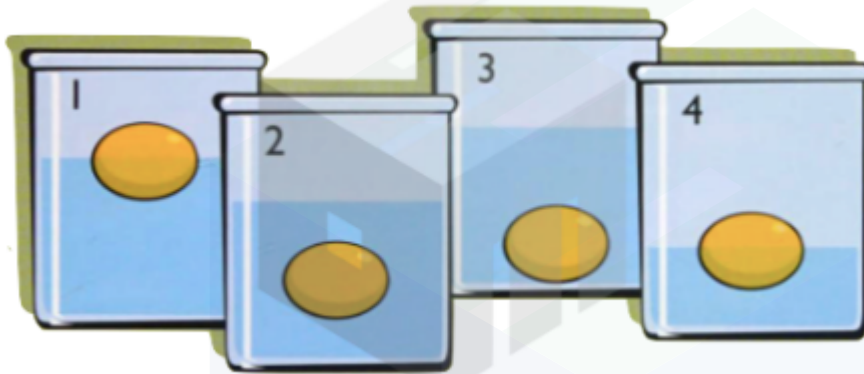


- ☐ Every broken Pencils from A to F matches with broken pieces from 1 to 6
☐ A matches with 2 & D matches with 1
☐ B matches with 4 & C matches with 6

☐ E matches with 5 & F matches with 3

Correct: +4 · Incorrect: -0.19

- 22 You have four measuring glasses containing a saline liquid and an egg. Which of the statement/s would be correct regarding the glasses



- ☐ Salt to water ratio in Glass 1 and 4 is the same
- ☐ Salt to water ratio in Glass 3 is more than 2
- ☐ Volume of salt in 4 is more than 1
- ☐ A raw egg in Glass 3 will boil faster than in Glass 2

Correct: +4 · Incorrect: -0.19

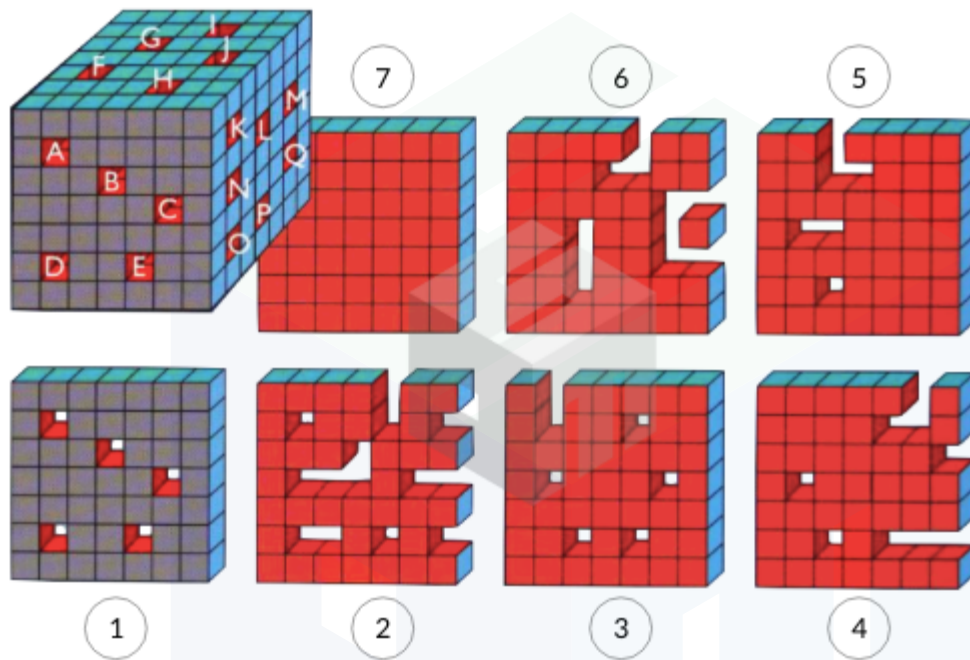
- 23 On these 5 paintings you can find some colors. Which from the statements is/are correct



- ☐ orange and green are paired in atleast 3 paintings
- ☐ black is paired with another color in atleast 2 paintings
- ☐ All the paintings have one common color
- ☐ There are atleast 2 pair of colors that are always used together

Correct: +4 · Incorrect: -0.19

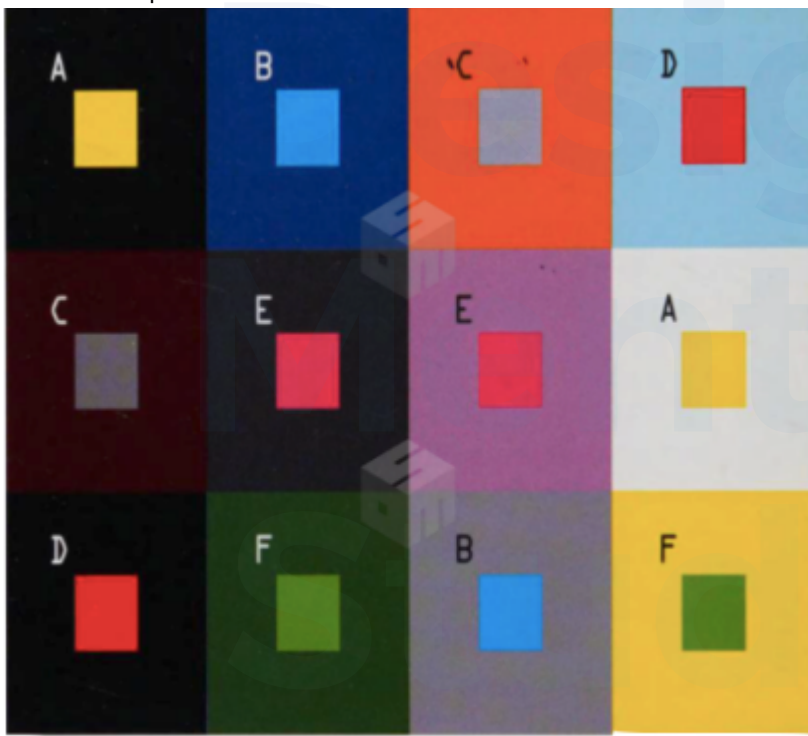
- 24 The cube below left is made of 7 blocks shown next to the cube(in order from the front grey face to the back face numbered from 1 to 7). There are 7 tunnels in the cube with different entrances and exits, it has 3 recesses aswell(which have only an entrance, no exits). Identify which statement/s would hold true



- ☐ A tunnel goes from C - N and G-I
- ☐ A tunnel goes from A - F and P-E and H-J
- ☐ A tunnel goes from B-D and M-Q
- ☐ K, L and O are recesses

Correct: +4 · Incorrect: -0.19

- 25 "Two smaller square with the same letter should have the same color". Which from the options is/are different colors.



- ☐ C

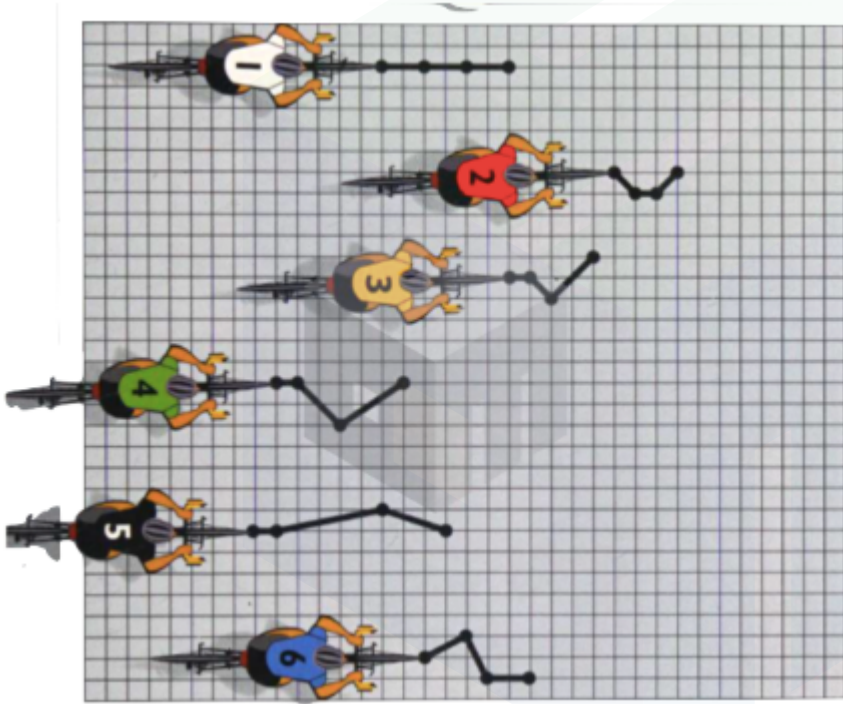
☐ E and F

☐ D

☐ A

Correct: +4 · Incorrect: -0.19

26 The grid below shows the distance every rider completes in 3 seconds. Each dot represents his progress in 1 second.



Which for the options is/are the correct statements

☐ Rider 6 reaches last

☐ Rider 1 and Rider 3 reach the endline at the same time

☐ Rider 5 reaches the endline first and Rider 2 reaches 2nd

☐ Rider 4 reaches before rider Rider 1

Correct: +4 · Incorrect: -0.19

27 Out of the logos given, Identify the correct option/s



☐ Three logos use a Tertiary color scheme

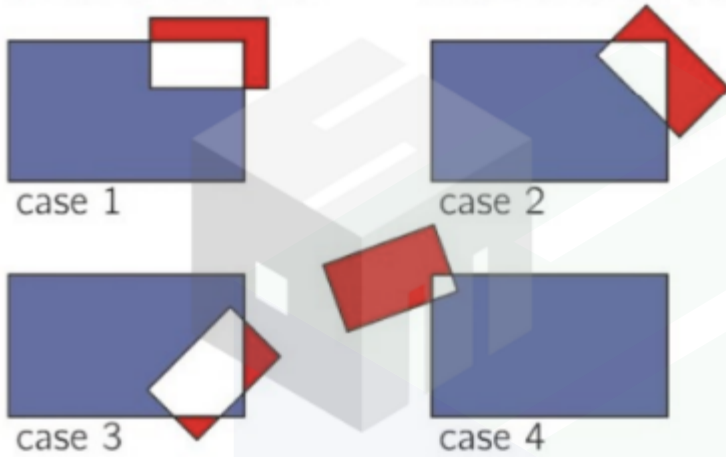
☐ There is one logo using monochromatic color scheme

☐ Two logos use Analogous color scheme

☐ Two logos use a Secondary color scheme

Correct: +4 · Incorrect: -0.19

- 28 A blue rectangle and a red rectangle are overlapping. The figure shows 4 different such cases. We denote by B the area of the part of the blue rectangle that is not common to the two rectangles, and we denote by R the area of the red rectangle that is not common to the two. Which of the following statements is/are true about $B - R$?



- ☐ Case 1 $B - R$ is larger than Case 2 $B - R$
- ☐ Case 2 $B - R$ is same as Case 3 $B - R$
- ☐ Case 3 $B - R$ is larger than Case 4 $B - R$
- ☐ Case 1 $B - R$ is same as Case 4 $B - R$

Correct: +4 · Incorrect: -0.19

- 29 There are four groups of three statements. Read the statements in each group carefully and identify the group/groups where the third statement logically follows the first two statements in the group.

- (a) Bulbs are bright. No bright is flammable. Some bulbs are not flammable.
- (b) Some black are not pens. All blue are pens. Some black are not blue.
- (c) Some cars are not taxis. All cars are buses. Some buses are not taxis.
- (d) Some laptops are desktops. No tab is a desktop. Some tabs are not laptops

- ☐ a
- ☐ b
- ☐ c
- ☐ d

Correct: +4 · Incorrect: -0.19

- 30 Oh no! The new soda machine has got only two buttons (A, B). But there are four drinks (warm coffee, warm tea, cold apple juice, cold soda). Carl the clever caretaker programs the machine to offer a choice of four drinks at the press of two buttons: First press A for a warm drink and B for a cold drink. Then press A for coffee and B for tea, or A for Apple juice and B for Soda, respectively.



Example: Press B – A for apple juice. Which instruction is/are correct?

- ☐ Press A – A for two warm beverages

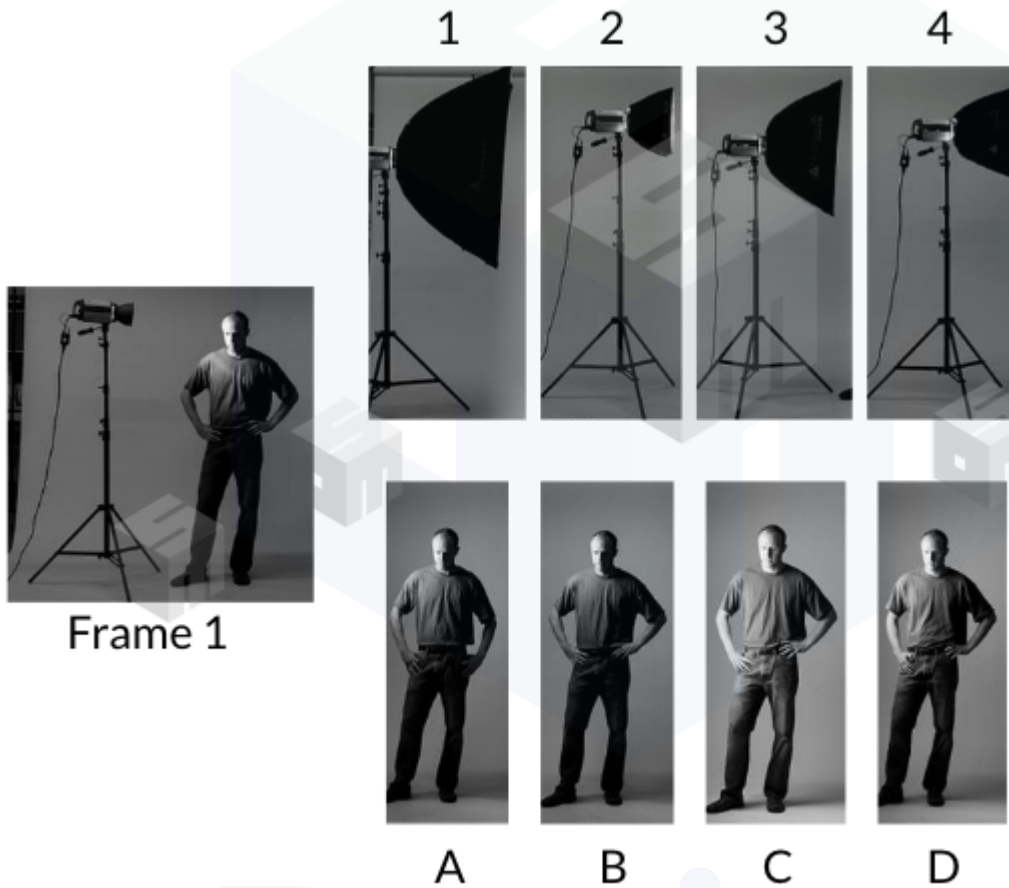
☐ Press A – B for a warm tea

☐ Press B – B for a cold tea.

☐ Press B for soda.

Correct: +4 · Incorrect: -0.19

31 Frame 1 shows a soft box with a lighting equipment. Which of the lighting setups(from option 1-4) matches the soft box(option A-D) , identify which of the option/options are correct



☐ 1-C

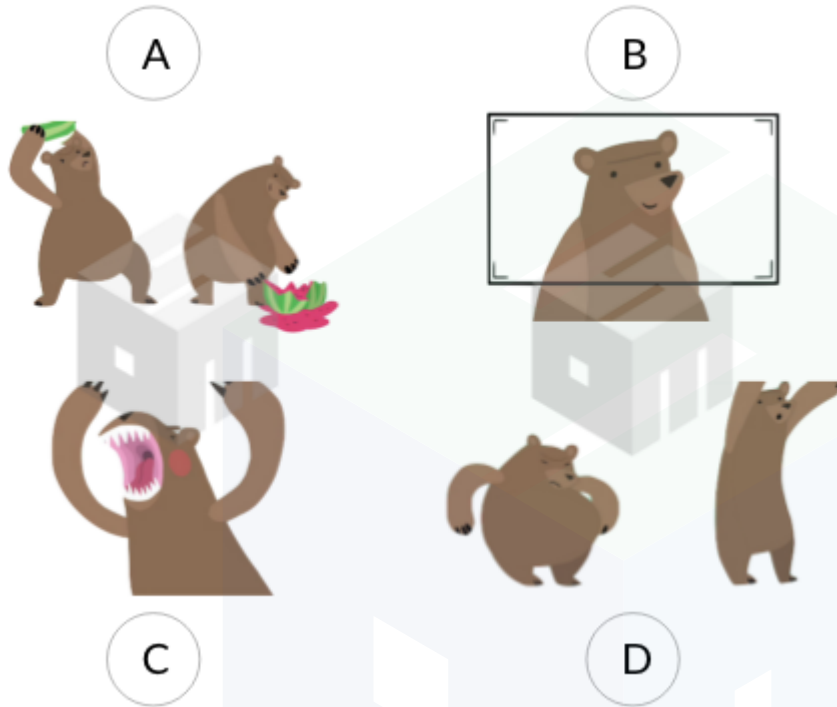
☐ 2-B

☐ 3-A

☐ 4-D

Correct: +4 · Incorrect: -0.19

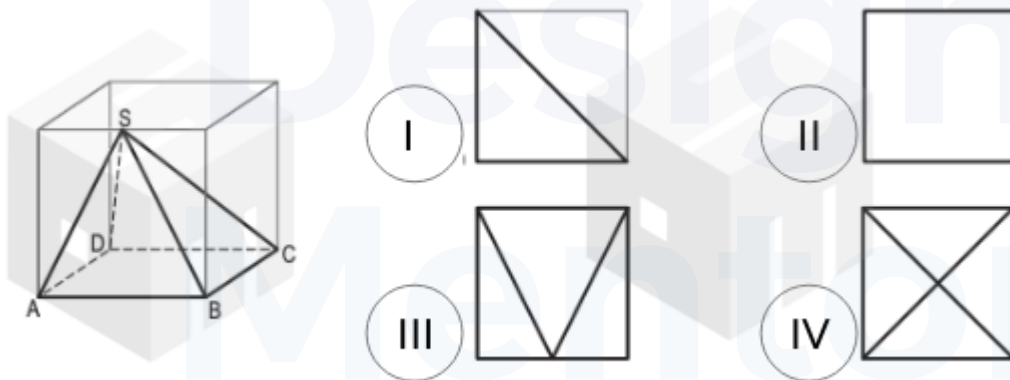
32 Which from the option/s match correctly with the animation principle used in each of them



- ☐ A - Squash and stretch makes an illusion of character's elasticity, volume and flexibility.
- ☐ B - Staging directs viewer's attention towards the story being told.
- ☐ C - exaggeration can achieve greater expression, precision, more dynamic poses and motions.
- ☐ D - Slow-in & Slow-out Another name for it might be speedup and slowdown.

Correct: +4 · Incorrect: -0.19

33 In the cube below you see a transparent solid inside which there is a pyramid ABCDS with base ABCD, whose vertex S lies exactly in the middle of an edge of the cube. You look at this pyramid from above, from below, from behind, from ahead, from the right and from the left. Which of the views will arise?



- ☐ I
- ☐ II
- ☐ III
- ☐ IV

Correct: +4 · Incorrect: -0.19

- 34 Tile X was used to create a seamless pattern when arranged as shown below. Which tile(s) from the options will create a seamless pattern (pattern without gaps)?



- ☐ A
☐ B
☐ C
☐ D

Correct: +4 · Incorrect: -0.19

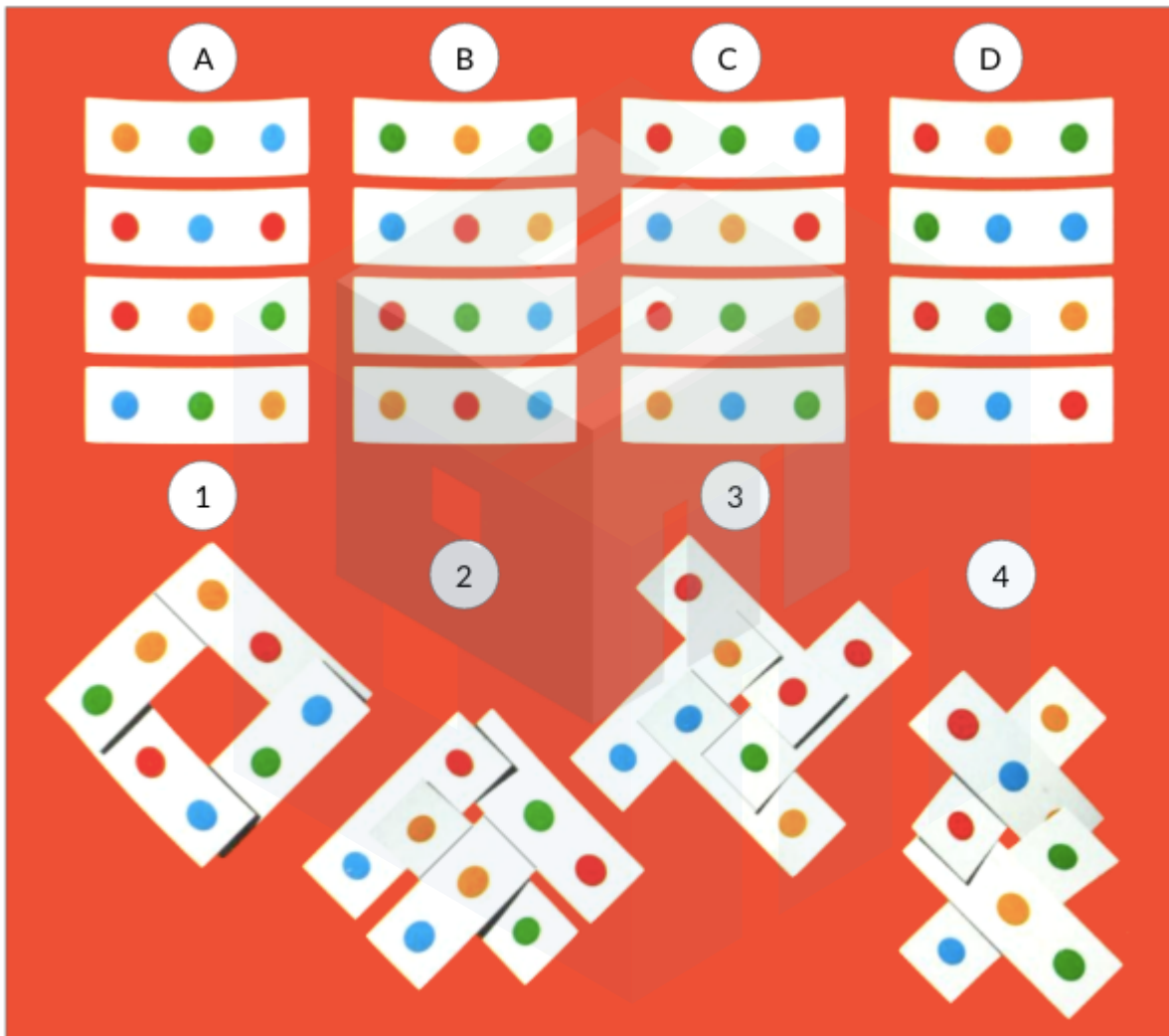
- 35 The word given below uses a specific font. Which option(s) belongs/belong to the same font



- ☐ A
☐ B
☐ C
☐ D

Correct: +4 · Incorrect: -0.19

36 The numbered shapes(options 1-4) are made from the lettered columns(options A-D). Which from the option(s) are/is paired correctly



- ☐ A-3
- ☐ B-2
- ☐ C-1
- ☐ D-4

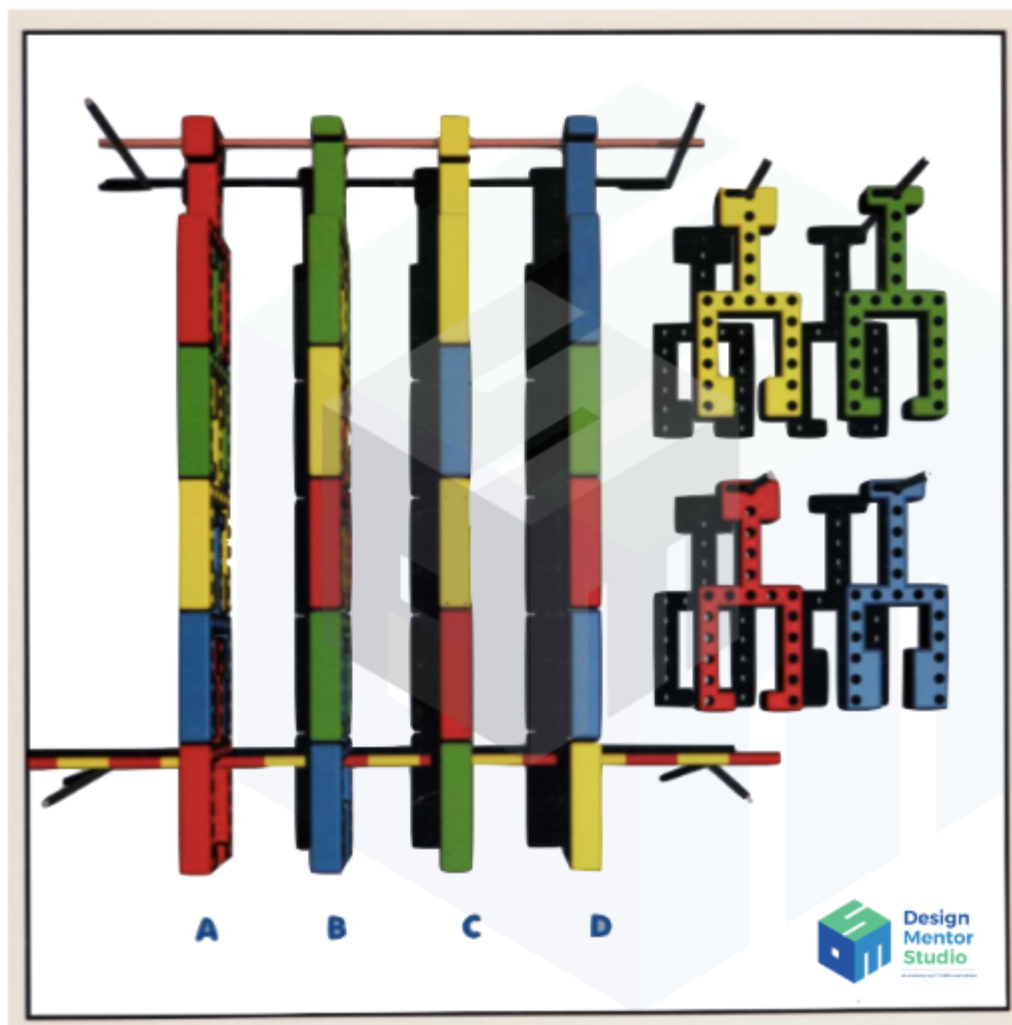
Correct: +4 · Incorrect: -0.19

Section 3 : MCQ - 32 Questions

SECTION INSTRUCTIONS

Section 3 (96 Marks) of Part A contains a total of 32 Multiple Choice Questions (MCQ). Each question has four choices out of which ONLY ONE is correct. There is NEGATIVE MARKING for this section. Questions from 37 to 68 belong to this section.

- 37 The structures marked with letters are built from the four shapes on the right. What shape reaches downward the farthest if the red and yellow horizontal rod is removed?



- ☐ A
- ☐ B
- ☐ C
- ☐ D

Correct: +3 · Incorrect: -0.71

- 38 Snail quadruplets have gone hiking on a path paved with identical rectangular tiles. The shape and length of each snail's trip is shown below.



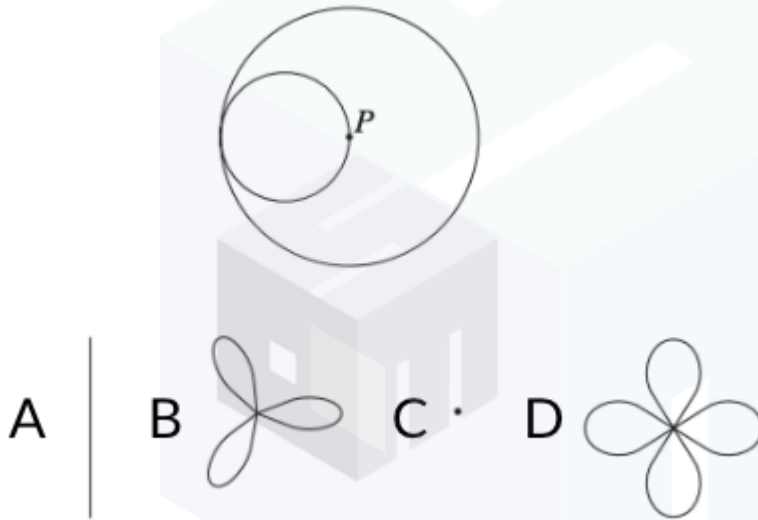
How many decimeters has the snail Tin hiked?

- ☐ 27

- ☐ 30
- ☐ 35
- ☐ 36

Correct: +3 · Incorrect: -0.71

- 39 The diagram shows two tangential circles with radii in the ratio 1: 2. The smaller circle rolls around the inside of the large circle. Which of the following is the path traced out by the point P of the smaller circle?



- ☐ A
- ☐ B
- ☐ C
- ☐ D

Correct: +3 · Incorrect: -0.71

- 40 The cells of a 4×4 table are coloured black and white as shown in Fig. 1. One move allows us to exchange any two cells positioned in the same row or in the same column. What is the least number of moves necessary to obtain Fig. 2?



- ☐ this is not possible
- ☐ 3
- ☐ 4
- ☐ 5

Correct: +3 · Incorrect: -0.71

41 My Grandma's watch gains one minute every hour. My Grandpa's watch loses half a minute every hour. When I left their house I synchronized their watches and told them I would return when the difference between the times on their watches is exactly one hour. How long will it be before I return?

- ☐ 12 hours
- ☐ 14 hours and a half
- ☐ 40 hours
- ☐ 60 hours

Correct: +3 · Incorrect: -0.71

42 Four identical dice are arranged in a row (see the fig.). Each dice has faces with 1, 2, 3, 4, 5 and 6 points, but the dice are not standard, i. e. the sum of the points on the opposite faces of the dice does not necessarily equal 7. What is the total sum of the points in all 6 touching faces of the dice?



- ☐ 19
- ☐ 20
- ☐ 21
- ☐ 22

Correct: +3 · Incorrect: -0.71

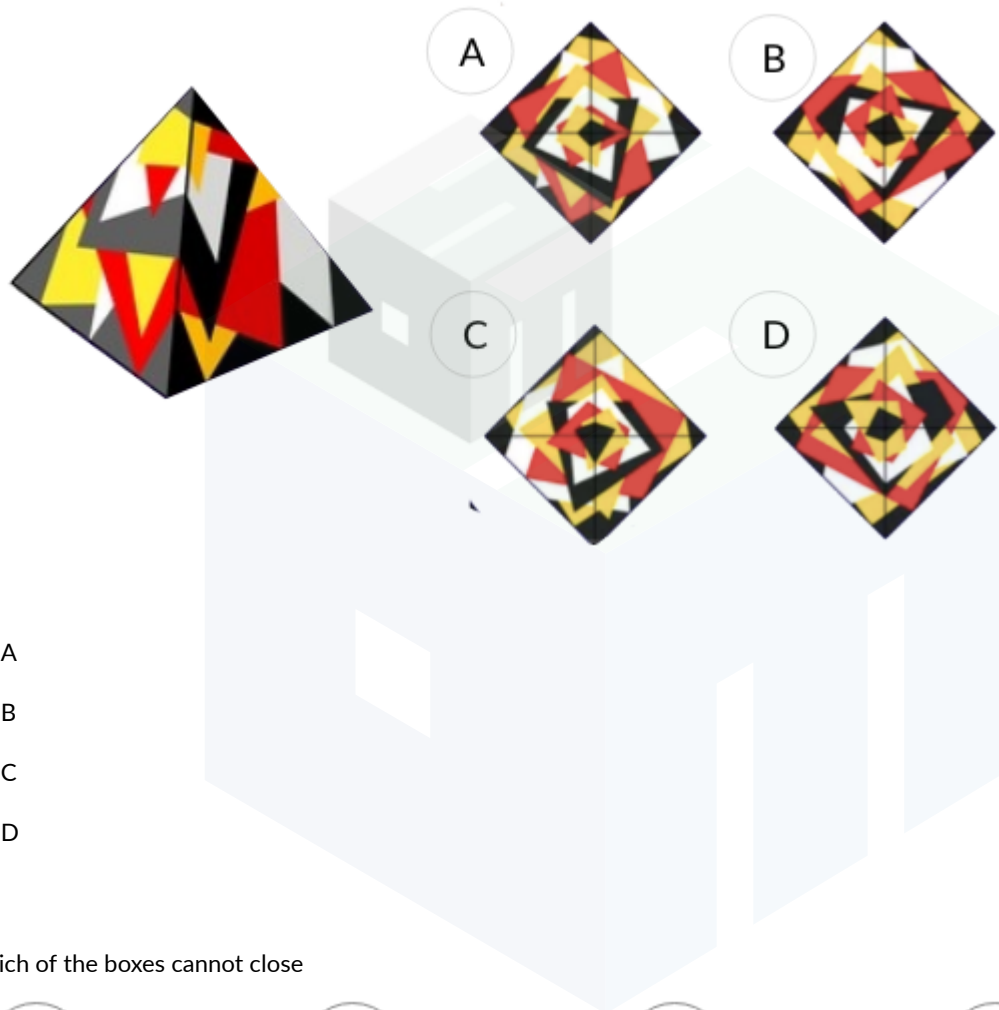
43 A cube with different colored edges was topped along the shown path. What will be the final configuration at the last block



- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Correct: +3 · Incorrect: -0.71

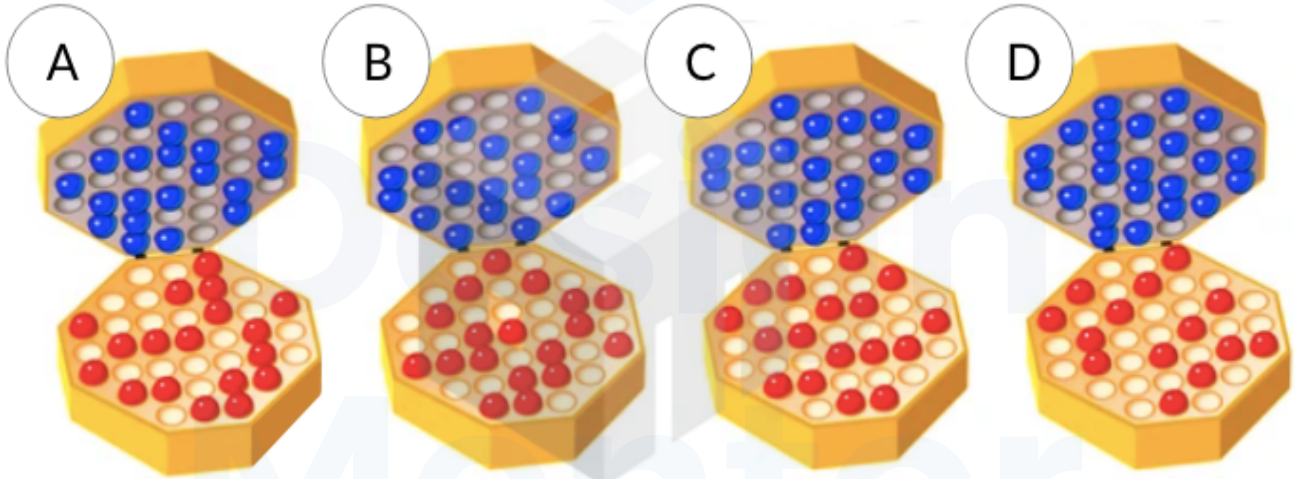
44 Identify the correct top view of the stack



- ☐ A
- ☐ B
- ☐ C
- ☐ D

Correct: +3 · Incorrect: -0.71

45 Which of the boxes cannot close



- ☐ A
- ☐ B
- ☐ C
- ☐ D

Correct: +3 · Incorrect: -0.71

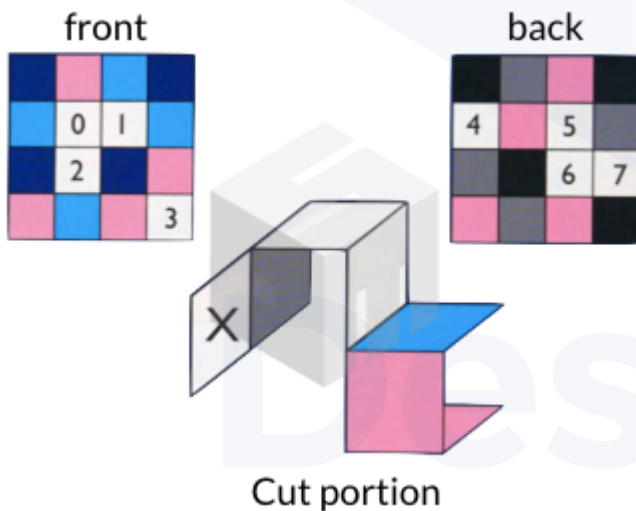
46 Some of the colored pieces as shown below can suffice to make a perfectly square stained glass window. Which of the piece/s will not be required.



- ☐ 2,5
- ☐ 1
- ☐ 4
- ☐ 4,5

Correct: +3 · Incorrect: -0.71

47 Two views, front and back of a paper with colored boxes and numbered printed are shown below. A cut portion of the same paper is shown at the bottom. Determine what will be the value of X marked on the paper.



- ☐ 7
- ☐ 2
- ☐ 6
- ☐ 3

Correct: +3 · Incorrect: -0.71

48 The options show the back of the monkey, Identify the correct view



- ☐ A
- ☐ B
- ☐ C
- ☐ D

Correct: +3 · Incorrect: -0.71

49 Identify the correct Microsoft logo



- ☐ A
- ☐ B
- ☐ C
- ☐ D

Correct: +3 · Incorrect: -0.71

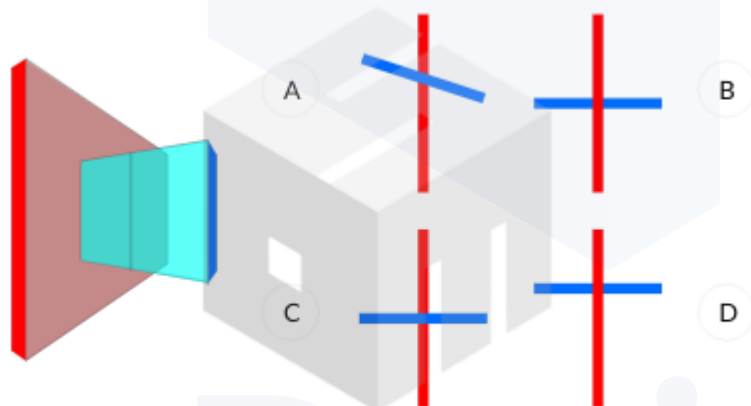
50 How many logos are represented correctly in the group below



- ☐ 0
- ☐ 1
- ☐ 2
- ☐ 3

Correct: +3 · Incorrect: -0.71

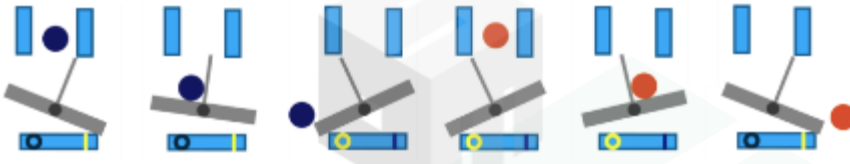
51 Shown below on the left is a perspective view of two rectangular blocks. What would represent an accurate view of the blocks when viewed from the top



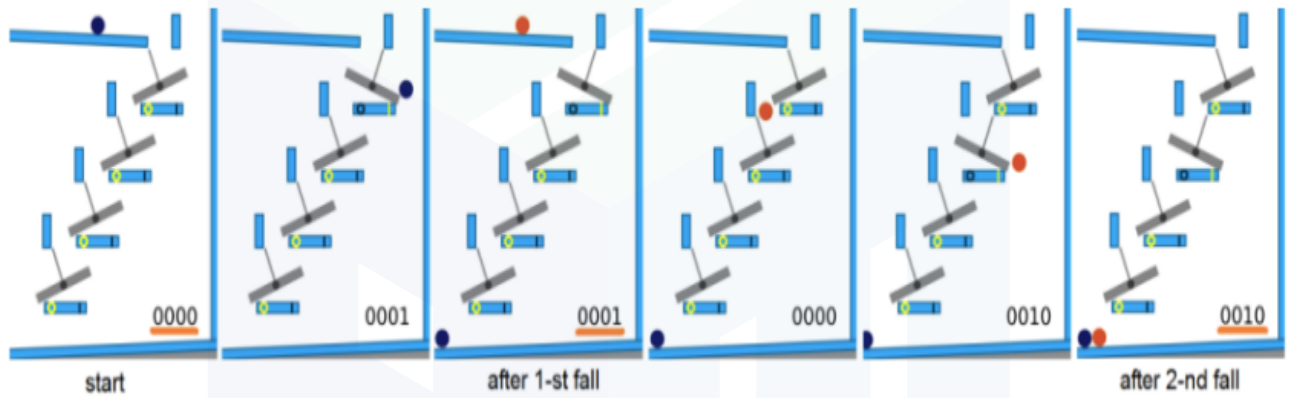
- ☐ A
- ☐ B
- ☐ C
- ☐ D

Correct: +3 · Incorrect: -0.71

52 In this machine, there are four bars that can tilt. A bar tilted to the left = 0 A bar tilted to the right = 1 When a ball drops and lands on a bar, the bar tilts and the ball rolls off.



Here is the machine when the first 2 balls are dropped. In the first picture, all the bars are 0 and the counter shows 0000.



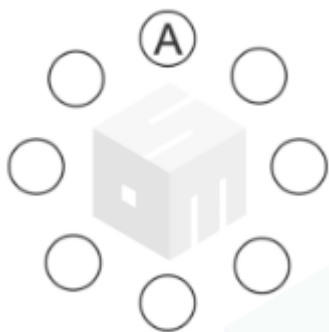
What will the counter be after 5 balls have been dropped?

- ☐ 0111
- ☐ 0101
- ☐ 0100
- ☐ 1110

Correct: +3 · Incorrect: -0.71

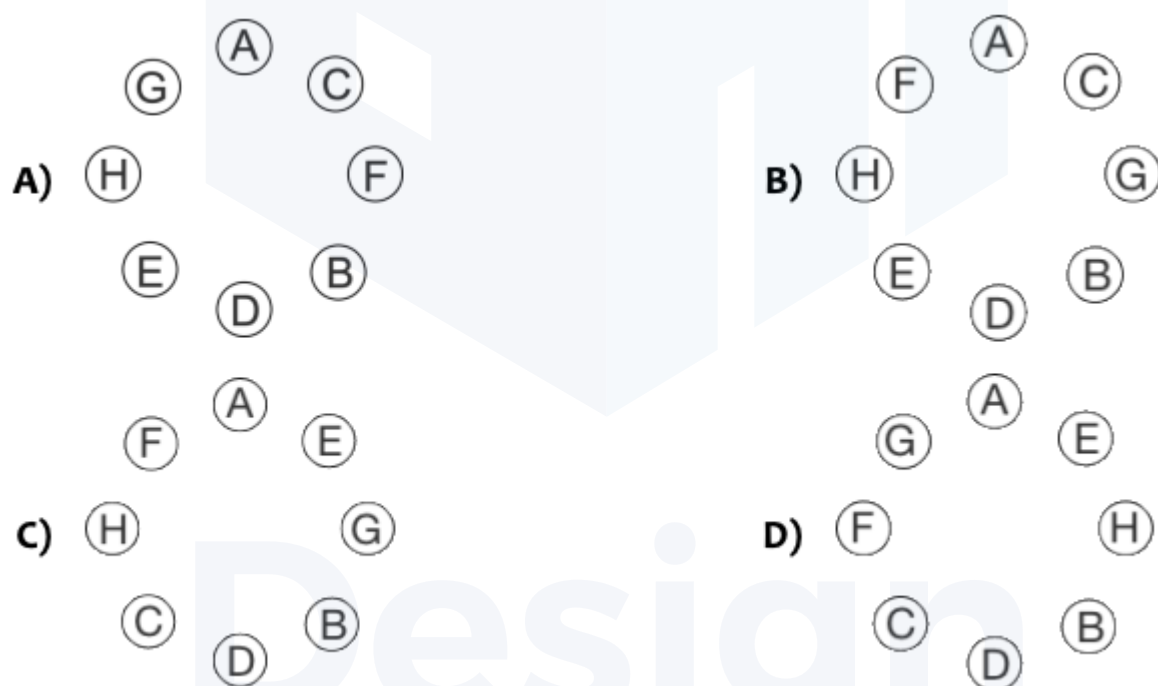
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53 Eight friends sit around a circle, as shown below. They are all facing inwards.



We know the following facts about where the friends sit:

1. Anita sits directly opposite to Dwij.
2. Harmeet sits between Geeta and Esha
3. Farhan is not beside Anita or Dwij.
4. There is one person between Geeta and Carol.
5. Esha is beside Dwij, on Dwij's left.



- ☐ A
- ☐ B
- ☐ C
- ☐ D

Correct: +3 · Incorrect: -0.71

54 The following tables show when buses will stop at each bus stop

Bus stop	Route 1	Route 1	Route 1
Stop A	10:00	11:00	12:00
Stop B	10:20	11:20	12:20
Stop C	10:40	11:40	12:40
Stop D	11:00	12:00	13:00
Stop E	11:20	12:20	13:20

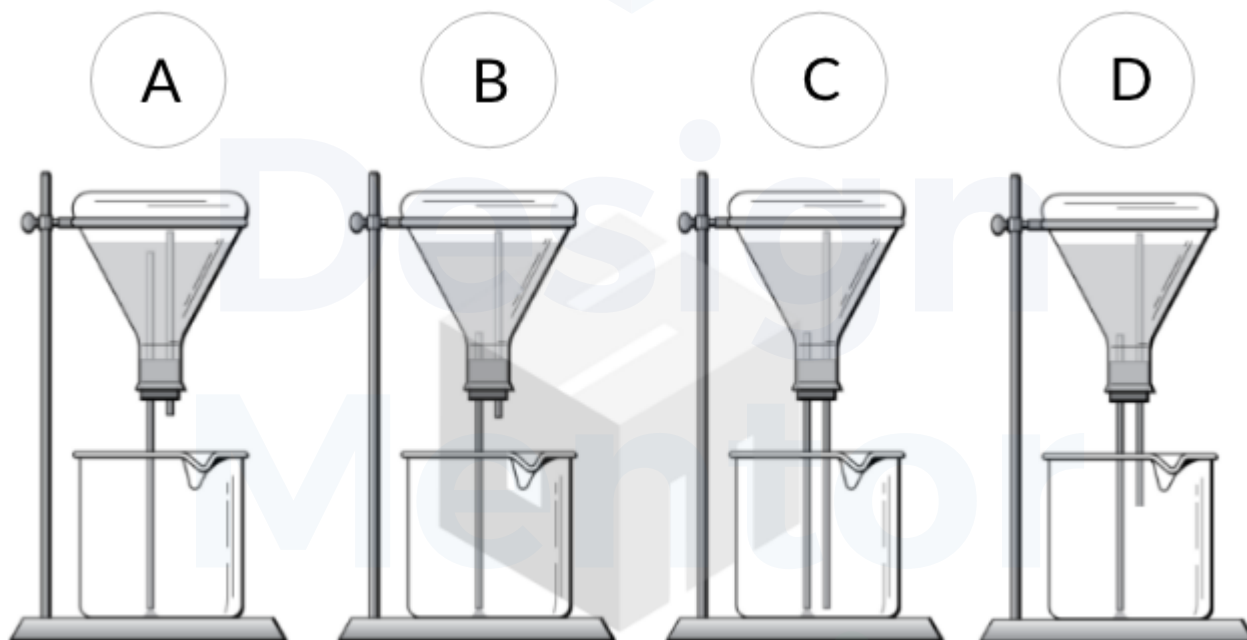
Bus stop	Route 2	Route 2
Stop A	10:10	11:10
Stop F	10:20	11:20
Stop C	10:30	11:30

If Ayush is at stop A at 11:05, what is the earliest time that he can reach stop D?

- ☐ 13:00
- ☐ 11:20
- ☐ 12:00
- ☐ 11:30

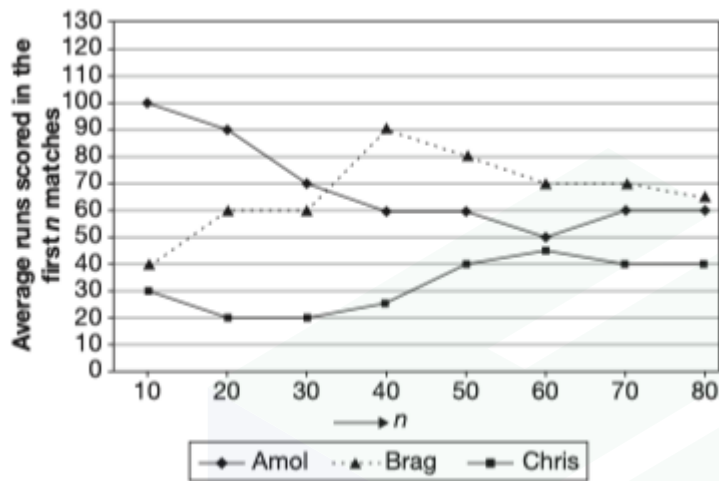
Correct: +3 · Incorrect: -0.71

55 In each of the systems, an upside down vessel with water filled inside is placed directly above a beaker. In which of the cases will water fill the fastest into the beaker below



- ☐ A
- ☐ B
- ☐ C
- ☐ D

Correct: +3 · Incorrect: -0.71



The graph shown above represents the variation in the average runs scored by three leading cricket players, namely Amol, Brag and Chris. Assume that no player was 'not out' in any of the matches he played. All the three players are from the same team. Each of them played in all the 80 matches played by the team. Also, the runs scored by any of the players in any match was always a non-negative number.

For example, average runs scored by Amol in the first 40 matches played is 60, while those scored by Brag in the first 60 matches played is 70.

For which of the following groups of ten matches, is the average number of runs scored by Amol the highest?

- ☐ 21st to 30th
- ☐ 31st to 40th
- ☐ 51st to 60th
- ☐ 61st to 70th

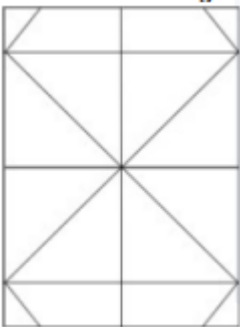
Correct: +3 · Incorrect: -0.71

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57 Mishreena followed instructions 1-7 below to create a cap by folding a sheet of paper. One side of the paper is white and the other one is light blue:

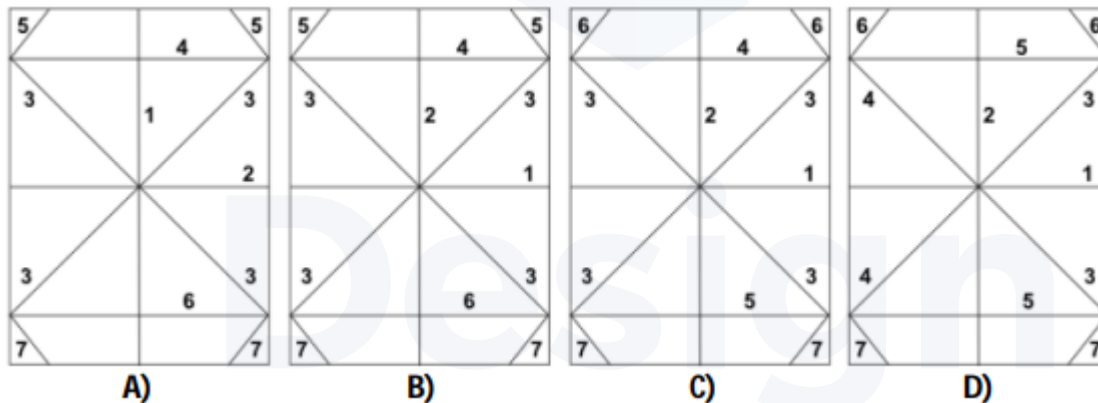
1.	2.	3.	4.	5.	6.	7.
Fold the sheet's top to its bottom.	Fold the left side to the right one and then back.	Fold the top corners so that they touch each other.	Fold the front extra lower part of the paper upwards	Fold the corners backwards and then turn the whole assembly around horizontally.	Fold the front extra lower part of the paper upwards	Fold the corners backwards.

She then unfolded the cap and observed that the folding lines were visible on the paper.



She started thinking about which folding line was produced by which instruction step.

Which picture shows the correct association of folding lines with instruction steps? The numbers in the pictures correspond to the instruction numbers above.



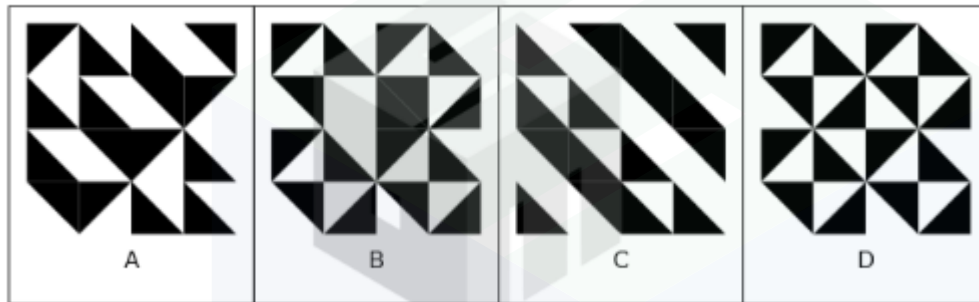
- ☐ A
- ☐ B
- ☐ C
- ☐ D

Correct: +3 · Incorrect: -0.71

58 Avinash has 16 tiles of the same type. By rotating them he can form different looks as seen below.



He wants to decorate his bathroom wall by filling a square area with these 16 tiles. Now he is planning the design. Which of the following patterns can NOT be made with these tiles?



- ☐ A
- ☐ B
- ☐ C
- ☐ D

Correct: +3 · Incorrect: -0.71

59 How many differences are there between the Picture 1 and Picture 2



Picture 1



Picture 2

- ☐ 8
- ☐ 9
- ☐ 10
- ☐ 11

Correct: +3 · Incorrect: -0.71

60 Which from the options would correctly match with the famous toys from India



A



B



C

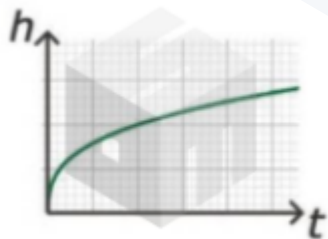


D

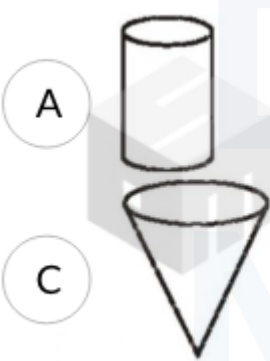
- ☐ A- Etikoppaka toys, B - Channapatna toys, C- Handwai toys, D- Sikki craft
- ☐ A- Channapatna toys, B- Sikki craft, C- Handwai toys, D- Etikoppaka toys
- ☐ A- Channapatna toys, B- Handwai toys, C- Etikoppaka toys, D- Sikki craft
- ☐ A- Channapatna toys, B- Etikoppaka toys, C- Handwai toys, D- Sikki craft

Correct: +3 · Incorrect: -0.71

61 A vase is filled up to the top with water, at a constant rate. The graph shows the height h of the water as a function of time t .



Which of the following could be the shape of the vase?



A

C



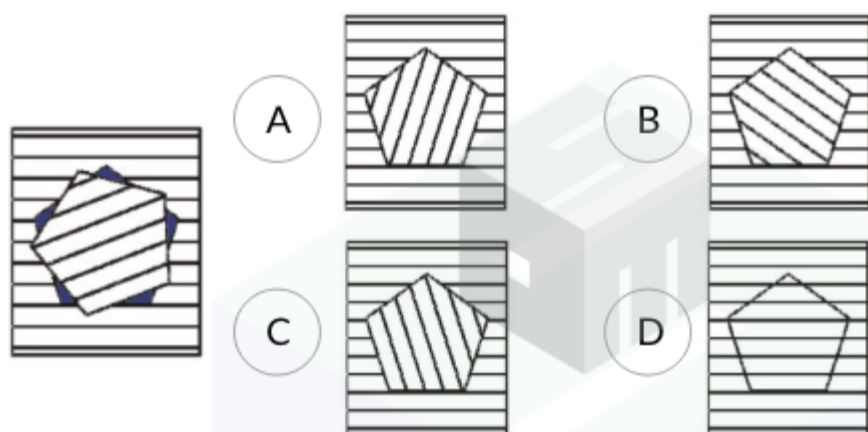
B

D

- ☐ A
- ☐ B
- ☐ C
- ☐ D

Correct: +3 · Incorrect: -0.71

- 62 We cut out a regular pentagon from a lined piece of paper. In each step we rotate the pentagon counter clockwise around its centre by 21° . The situation after the first step is shown. What will we see when the pentagon first fits back in the hole?



- ☐ A
☐ B
☐ C
☐ D

Correct: +3 · Incorrect: -0.71

- 63 Which of the following options shows the curve of movement of the midpoint of the wheel, when the wheel rolls along the zig-zag-curve shown



- ☐ A
☐ B
☐ C
☐ D

Correct: +3 · Incorrect: -0.71

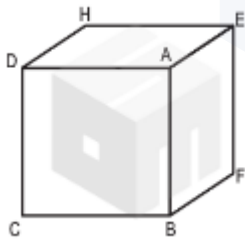
- 64 Two identical cylinders are cut open along the red dotted lines and glued together to form a bigger cylinder as shown. What will be the volume of the big cylinder compared to the volume of one smaller cylinder



- ☐ It has twice the volume
- ☐ It has 3 times the volume
- ☐ It has π times the volume
- ☐ It has 4 times the volume

Correct: +3 · Incorrect: -0.71

- 65 The solid cube in the figure is cut by a plane passing through the three neighbouring vertices of A that is D, E and B. Similarly then cube is cut by planes passing through the three neighbouring vertices of all other seven corners.



What will the piece which also contains the center of the cube look like?



- ☐ A
- ☐ B
- ☐ C
- ☐ D

Correct: +3 · Incorrect: -0.71

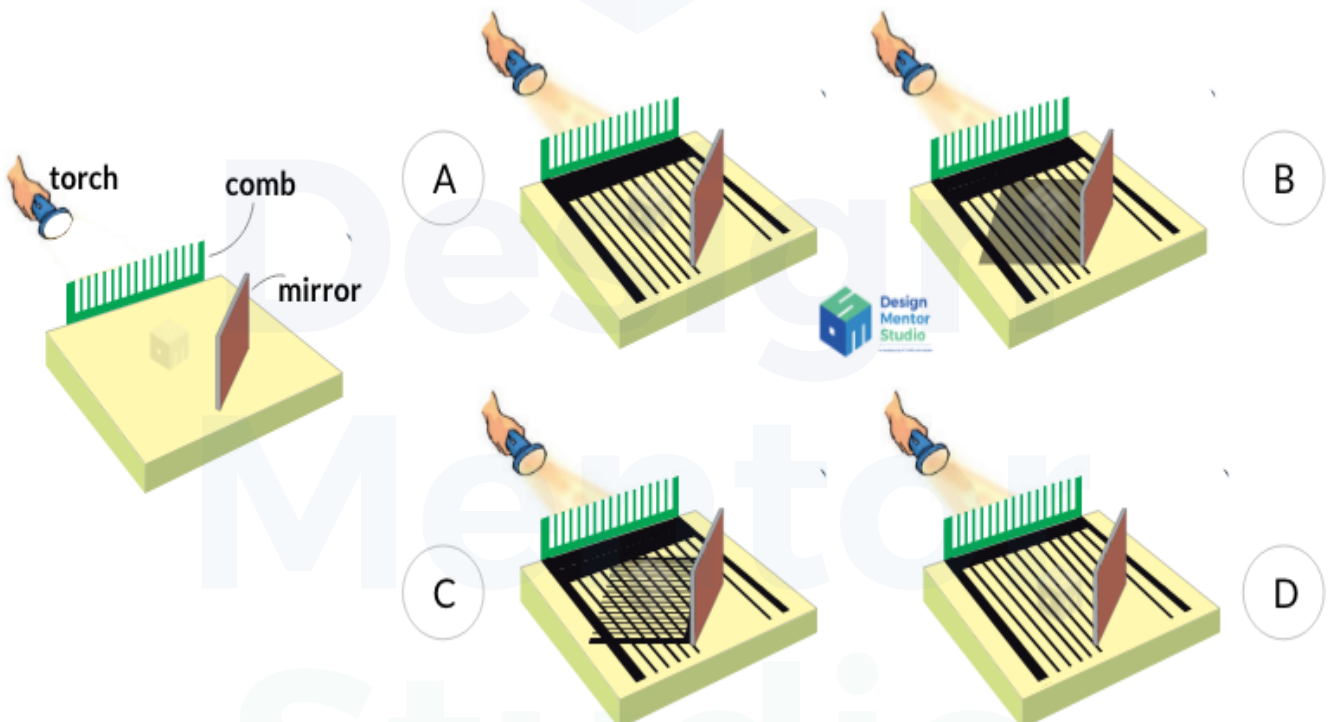
- 66 When Chandan wears his new shirt properly as shown on the left, the horizontal stripes form seven closed rings around his waist. This morning he buttoned his shirt wrongly, as shown on the right. How many closed rings were there around Chandan's waist this morning?



- ☐ 0
- ☐ 3
- ☐ 4
- ☐ 6

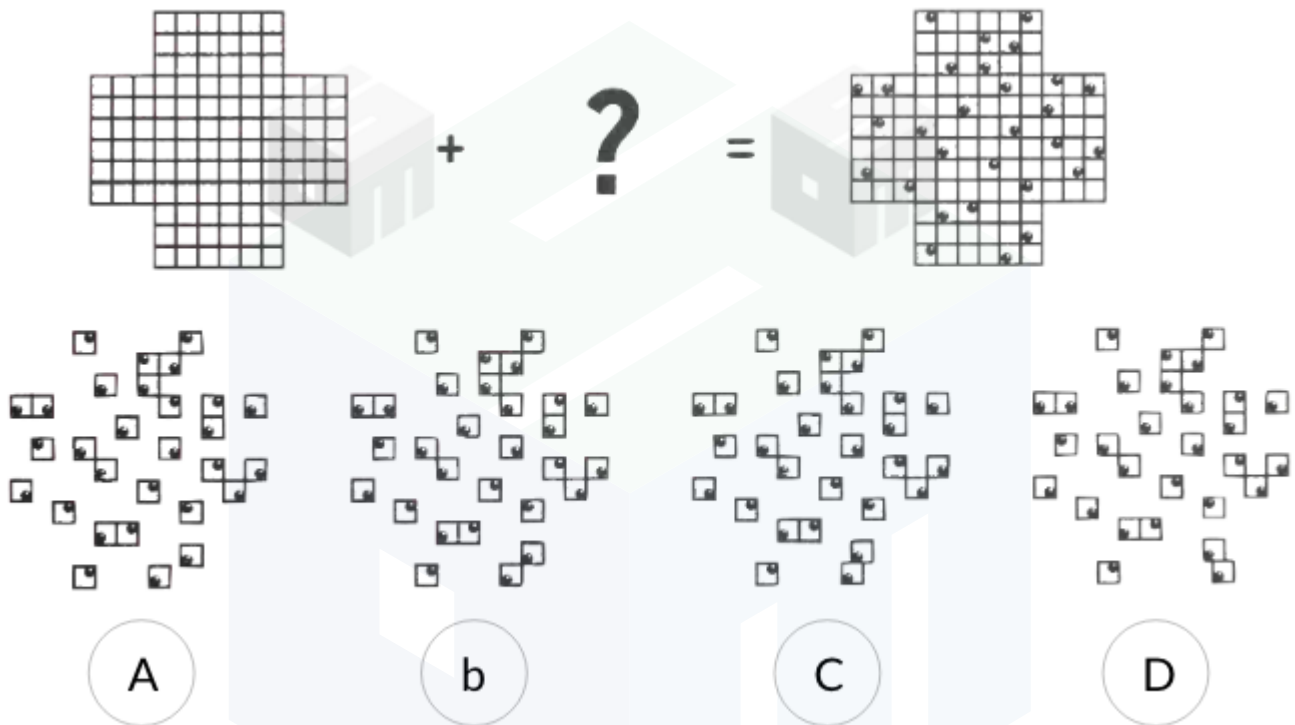
Correct: +3 · Incorrect: -0.71

- 67 A comb is fixed on one side of a wooden block. A mirror on the other side as shown in the figure, a dark coloured sheet of paper between the mirror and the comb. The torch was then turned on. What from the options would be shadow generated



- ☐ A
- ☐ B
- ☐ C
- ☐ D

68 What should replace the question mark



- ☐ A
- ☐ B
- ☐ C
- ☐ D

Correct: +3 · Incorrect: -0.71

Section 4 : Part - B - Sketching - 1 Questions

SECTION INSTRUCTIONS

Part B (60 Marks) contains one drawing question. There is NO NEGATIVE MARKING in this section. Answers to Part B have to be given in the answer book

Questions (69-69) are part of the comprehension given below

COMPREHENSION

Note :

- 1) This question must be answered in a separate blank A4 sheet.
- 2) It is mandatory for the candidates to mark the Part-B question as 'True' at the bottom of the screen on the computer if they have attempted this question

You are sitting on a bench inside a room at a district hospital waiting to get vaccinated. It is 9 in the morning and sunlight is coming through a window at the east, in the room there is a hospital bed next to the entrance door which is on the west. There is a 10 year old kid sitting on the bed while a male nurse is pushing the plunger of the syringe on the kid's right arm. The kid's mother is holding him to calm him down. There is an almirah, some poster on the wall, a doctor's table, some more syringes and vaccine bottles inside the room. A lady at the entrance door calls out names of candidates to be called inside the room who have to be vaccinated. From the above description sketch the scene from your point of view.

Note:

- Make pencil sketches only
- Do not use colours

Evaluation Criteria:

- Observation
- Imagination
- Selection & composition of objects
- Quality of line
- Presentation
- Attention to detail

69. Have you attempted the question

- ☐ True
- ☐ False

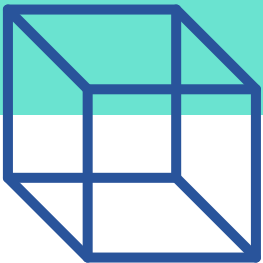
Correct: +50

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Course Reviews & Responses



Rated 5 out of 5



Aditya S

Ananya Jindal

Thank you so much for the sessions Sir! The workshop was extremely helpful yes sir they were so fun and your teaching made me more confident definitely loved it!! 10/10 🥰

Somdutta

Thank u so much sir it really boosted my preparation level.

Underroof123

Workshop was myth busting. Thank you sir for giving genuine answers for all my doubts.

Namrata Chachad

The workshop was amazing and eye opening, thanks a ton to Ashish sir!

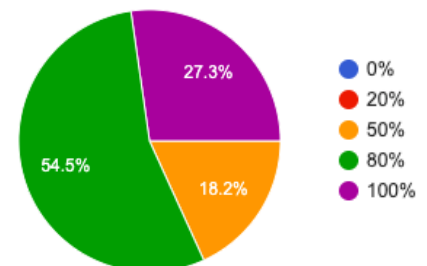
Aakansha Burman

the course was definitely worth it ...thanku sir 😊

kshitij

It was great! Gained so much of confidence after the course and also learner so many new tricks

How much more confident are you for your U/CEED exam after this course

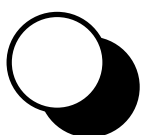


Sir's emphasis on coming up with different and more unconventional answers really struck me. What I particularly liked was that Sir didn't just feed the solutions to us, he gave us time to think and come up with our own solutions before he showed his approach of solving. Overall, the workshop was well-planned, it was concise yet detailed and it was a perfect supplement at this crucial time.

It really boosted my preparation level and also helped me solving the questions which i was not able to solve earlier

I liked how patiently sir took up all the doubts and the course was short and crisp but did add a lot of value and the material provided was also very helpful. It definitely boosted confidence.

This workshop was all that we as students were looking for. It was the little hand holding and assurance of us being on the right path that was required and was fulfilled.



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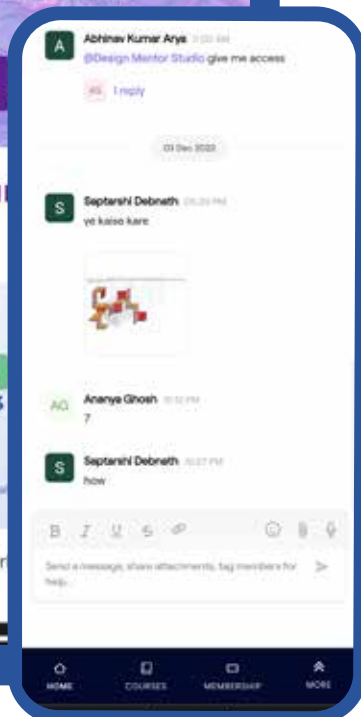
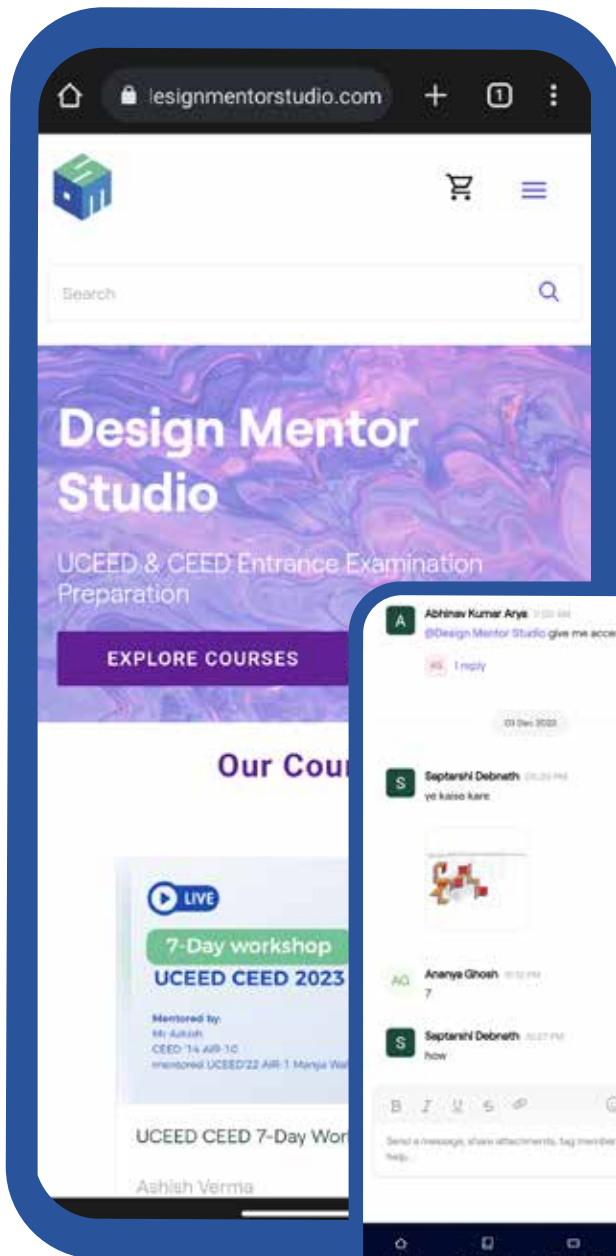


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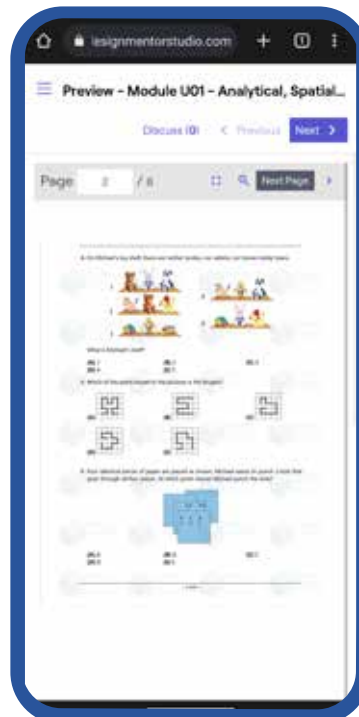


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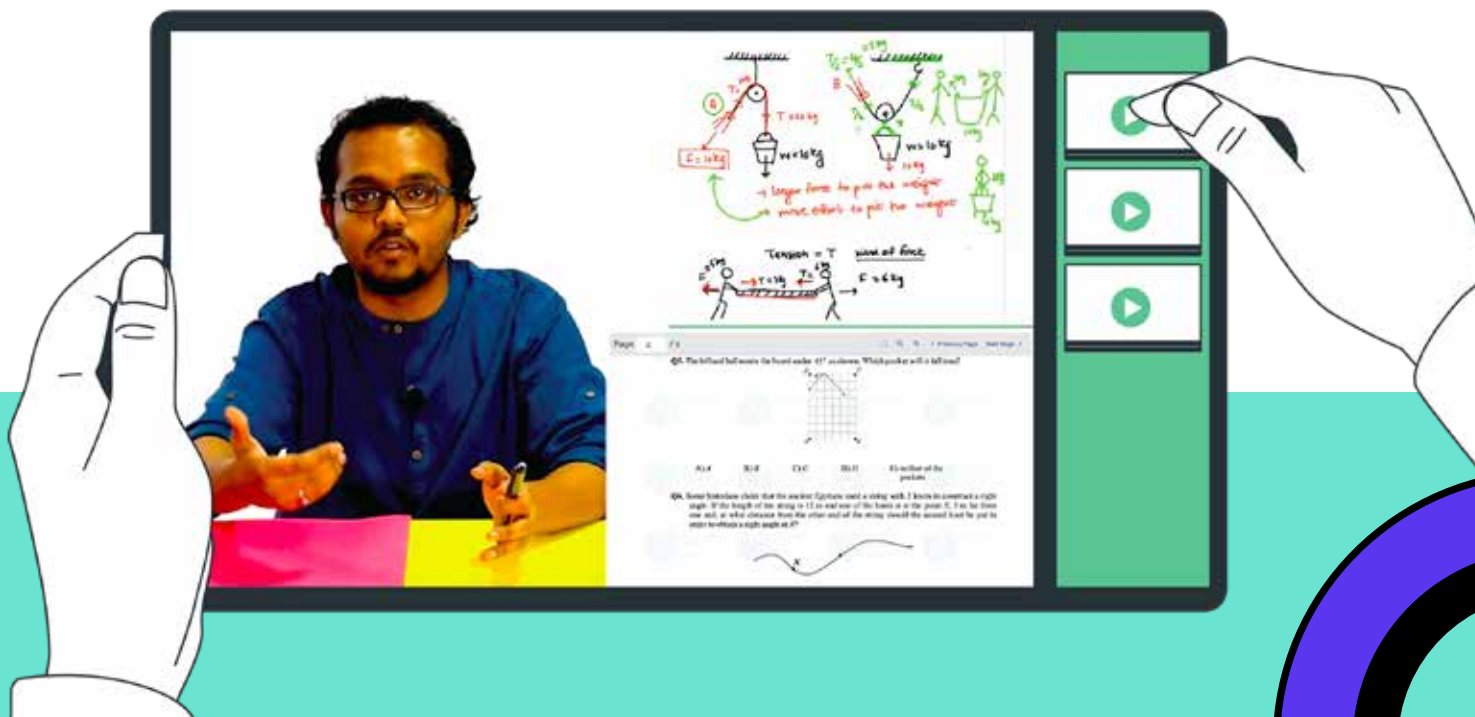
Discuss your doubts
with others

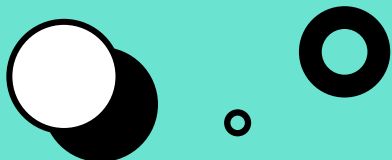


material viewed on
the phone



Mock Tests in the
same UI as real





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