

Common Entrance Examination for Design

CEED 2021

Question Paper

17th January 2021

INSTRUCTIONS

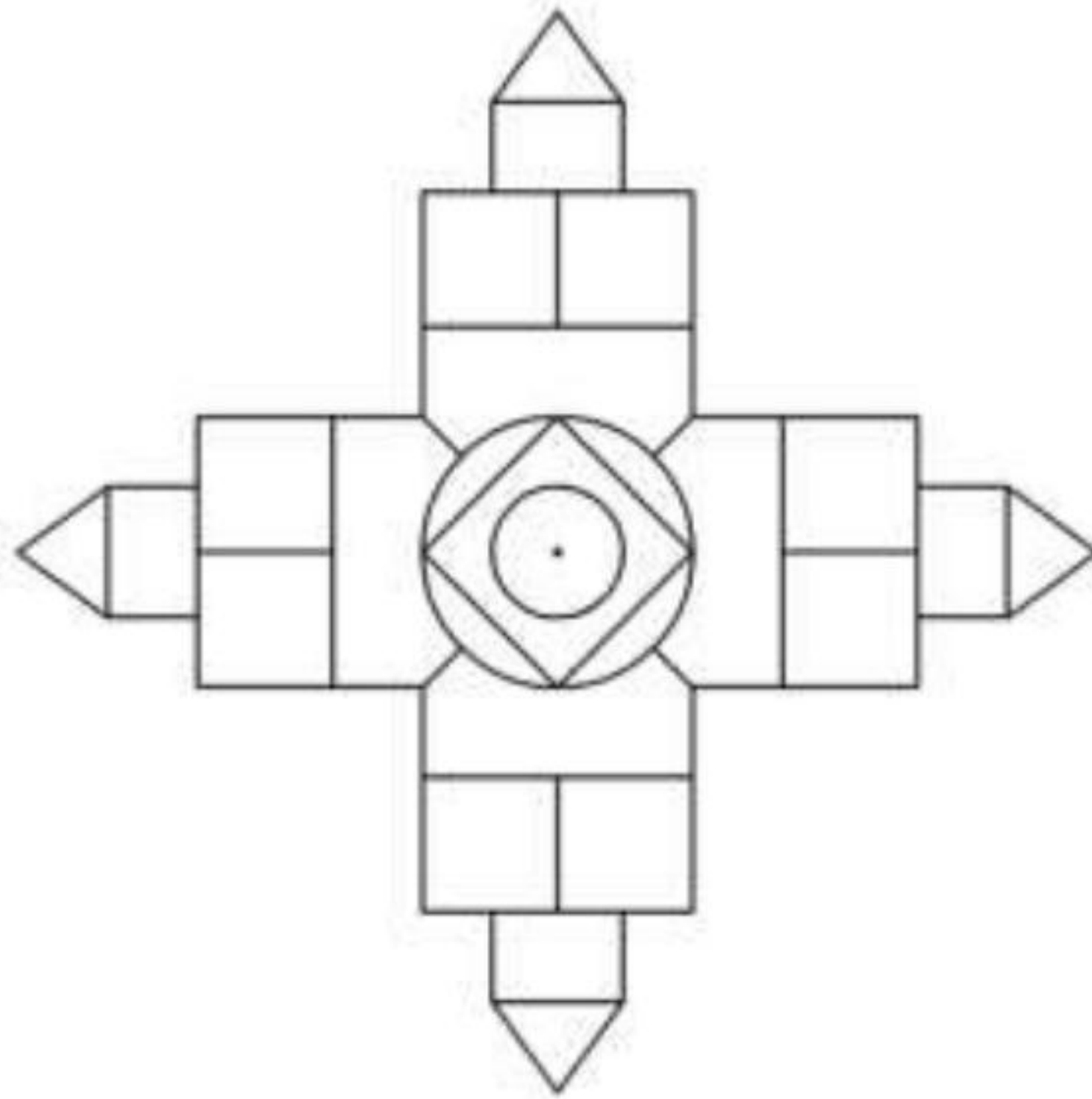
1. The total duration of the examination is 3 hours. The question paper contains two parts - Part A and Part B. The duration of Part A is one hour. The duration of Part B is two hours. Part B will start only after Part A ends. Part A cannot be attempted once Part B commences.
2. Questions of Part A and Part B will appear on the computer. Answers to **Part A** have to be entered in the **computer**. Answers to **Part B** need to be given in the **answer booklet** provided by the invigilator.
3. Part A carries a total of 100 marks. It contains 3 sections. All questions are mandatory. The following table summarises the marking scheme of Part A:

Part A Section	Type of questions	Number of questions	Marks for each correct answer	Marks for each wrong answer	Marks for each question not attempted	Total marks for the section
I	Numerical Answer Type (NAT)	8	3	0	0	24
II	Multiple Select Question (MSQ)	10	3	-0.2	0	30
III	Multiple Choice Question (MCQ)	23	2	-0.5	0	46

4. For each NAT question, the answer is a **number**. The answer needs to be entered using the virtual keyboard on the monitor. No choices will be shown for these questions. In NATs, the correct answer will be awarded **3 marks**. There is no negative or partial marking for NATs.
5. Each MSQ has four choices of which **one or more** is/are the correct answer(s). <

Part A – Section I: Numerical Answer Type Questions

Q.01 The front view of a solid object is shown in the image. If the views from all six sides are the same, how many surfaces does it have?

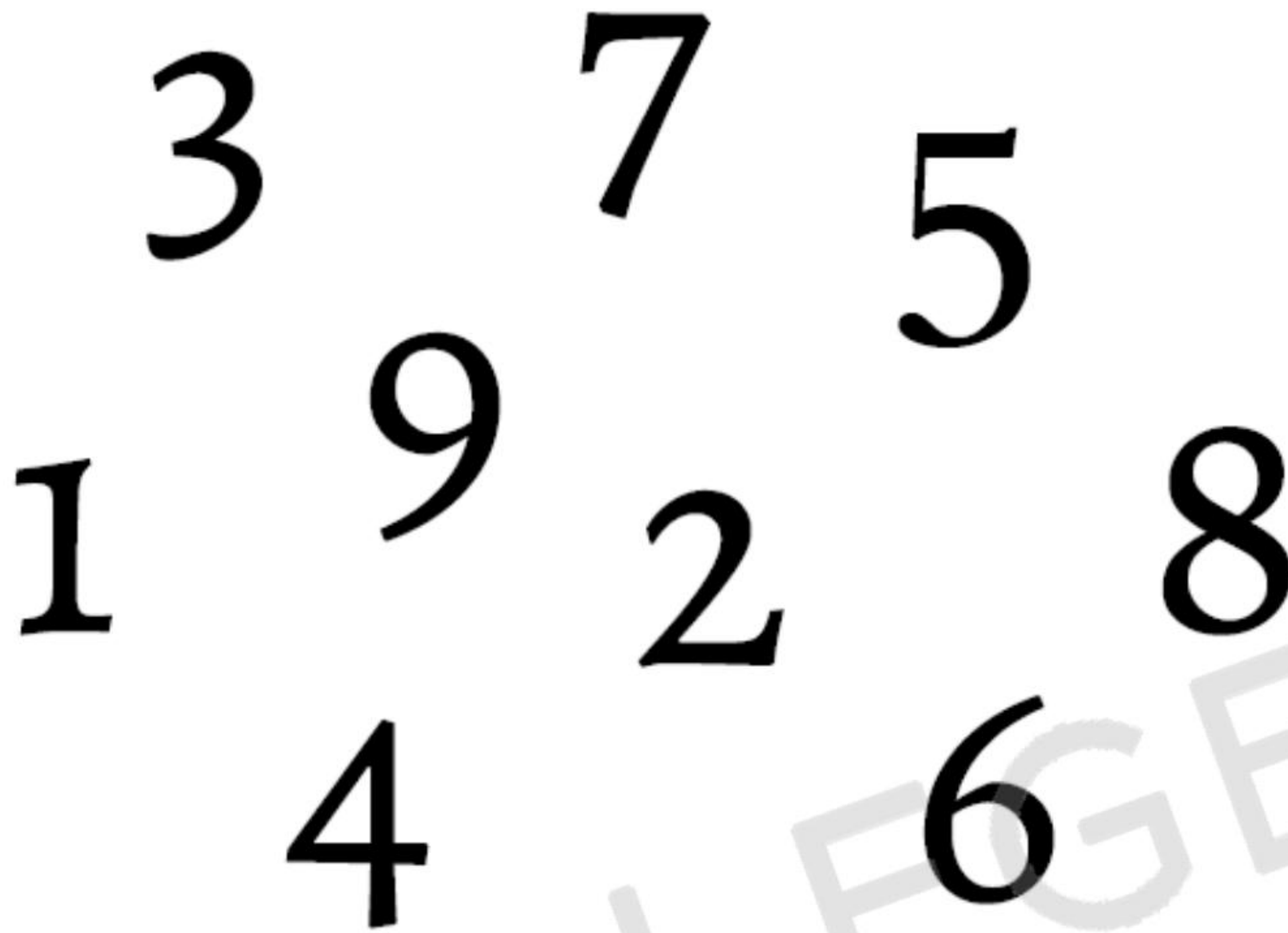


Q.02

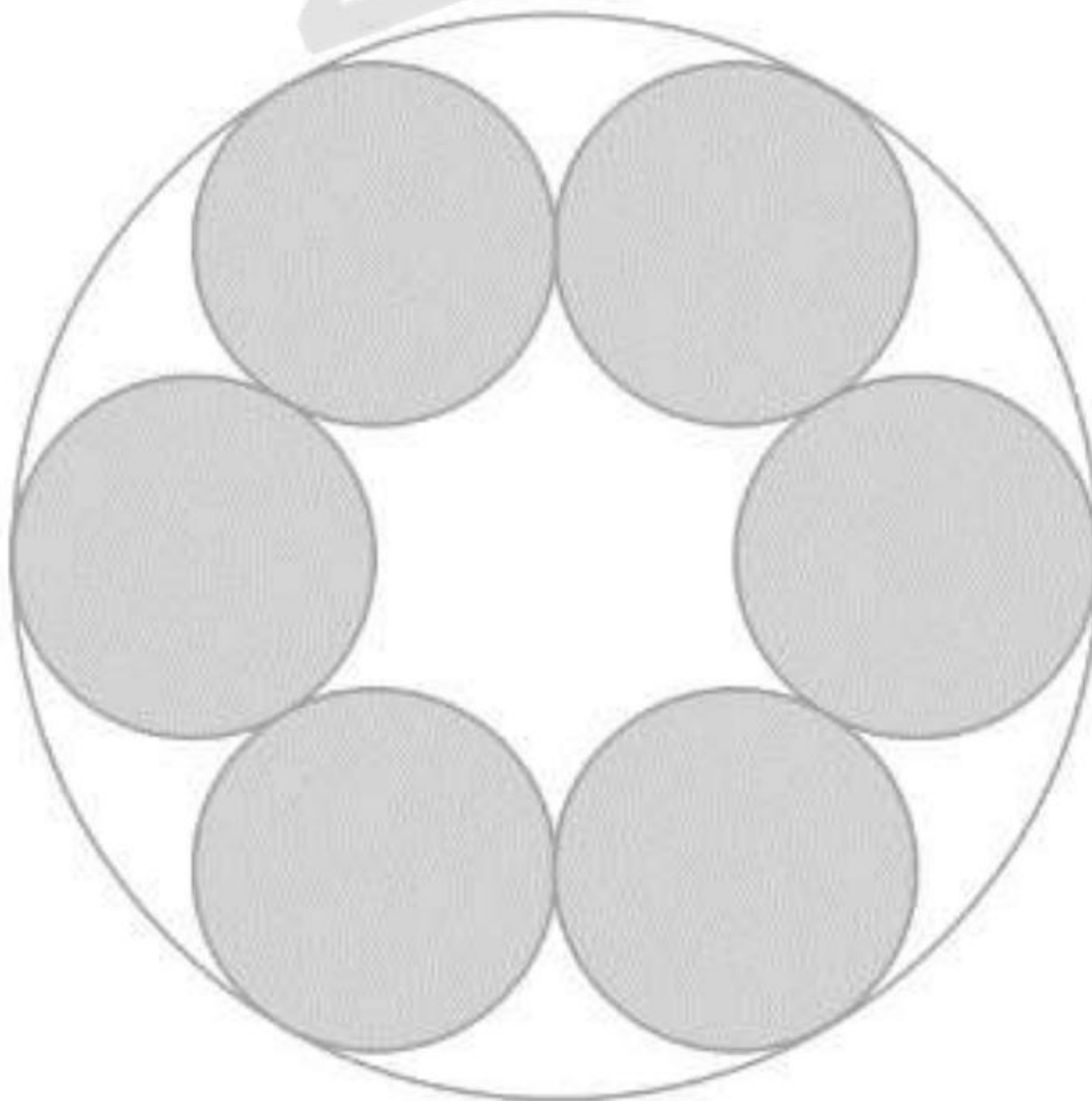


$$\frac{\text{Area of the hexagon}}{\text{Area of the grey triangle}} = ?$$

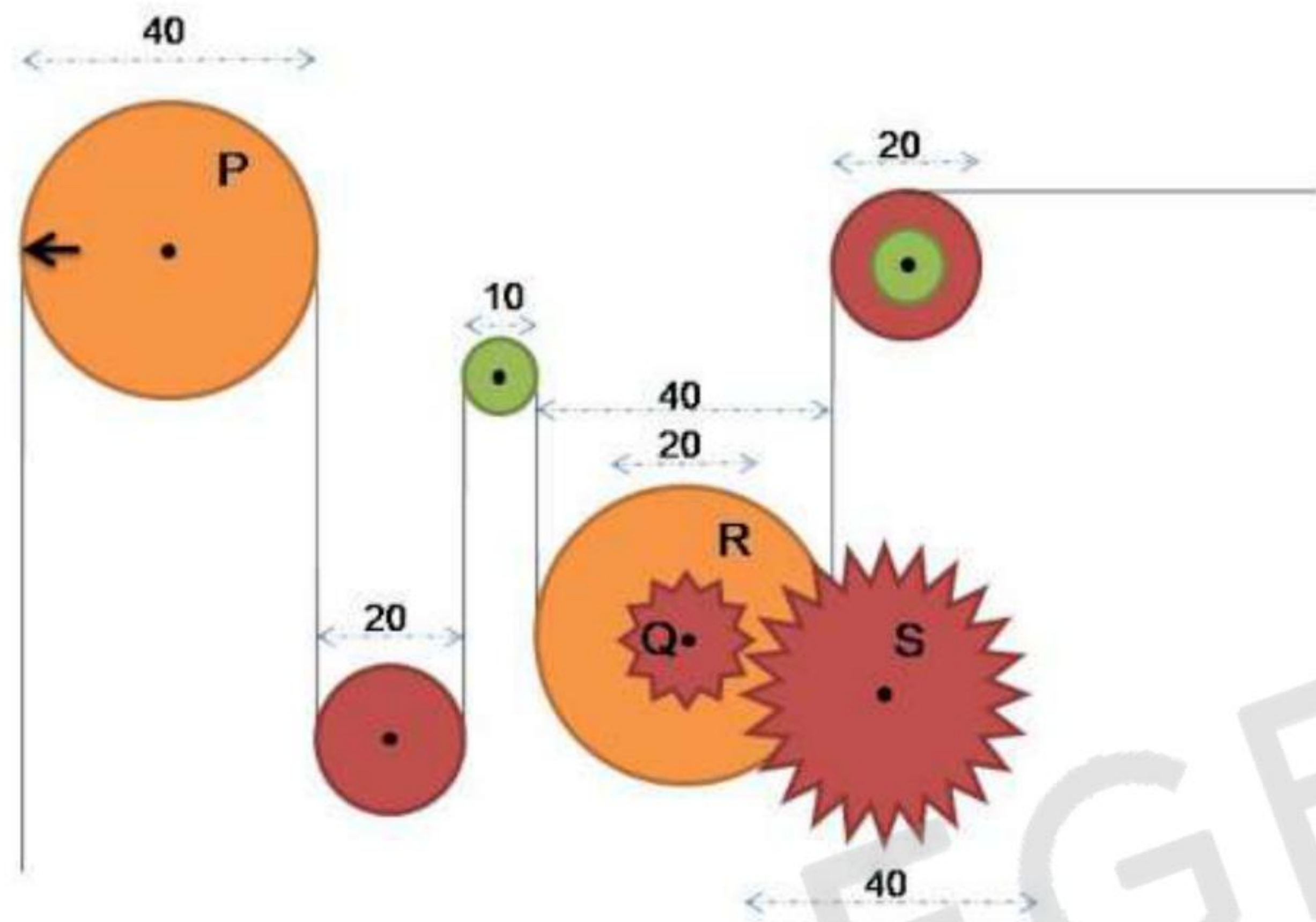
Q.06 Find the digit that is not written in the same font as others.



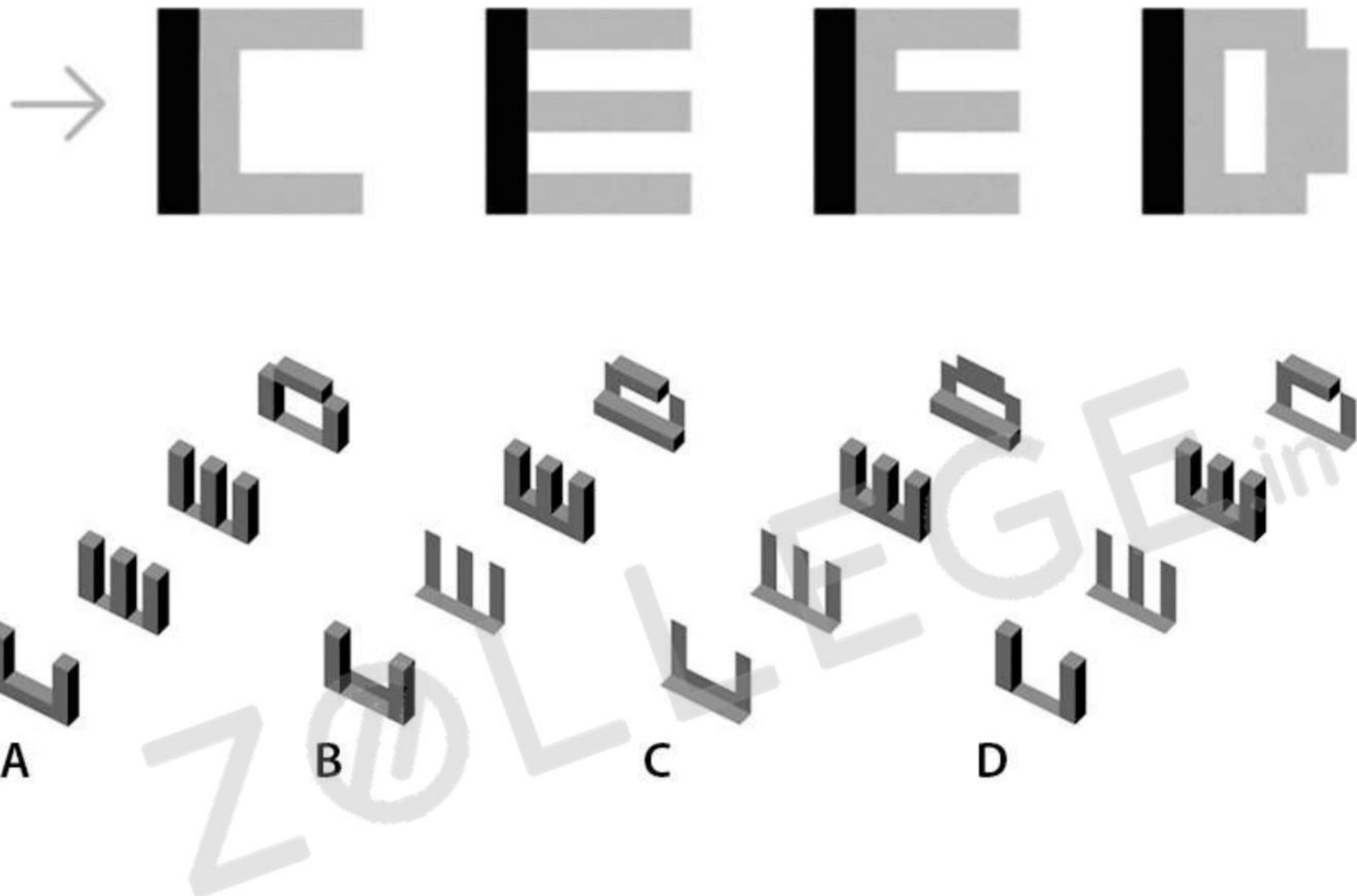
Q.07 Six circular biscuits of diameter 10 cm are arranged on a circular plate as shown below. What is the circumference of the plate in centimetres?



Q.08 Gear Q is fixed on the pulley R. If pulley P undergoes 4.5 full rotations, how many rotations will gear S undergo?



Q.17 The top view of four objects, resting on a planar ground, is shown in black colour in the given figure. When light falls on them at an angle of 45 degrees from the ground in the direction marked in the image, corresponding shadows are formed on the ground. Which option(s) depict(s) the correct arrangement of the objects?



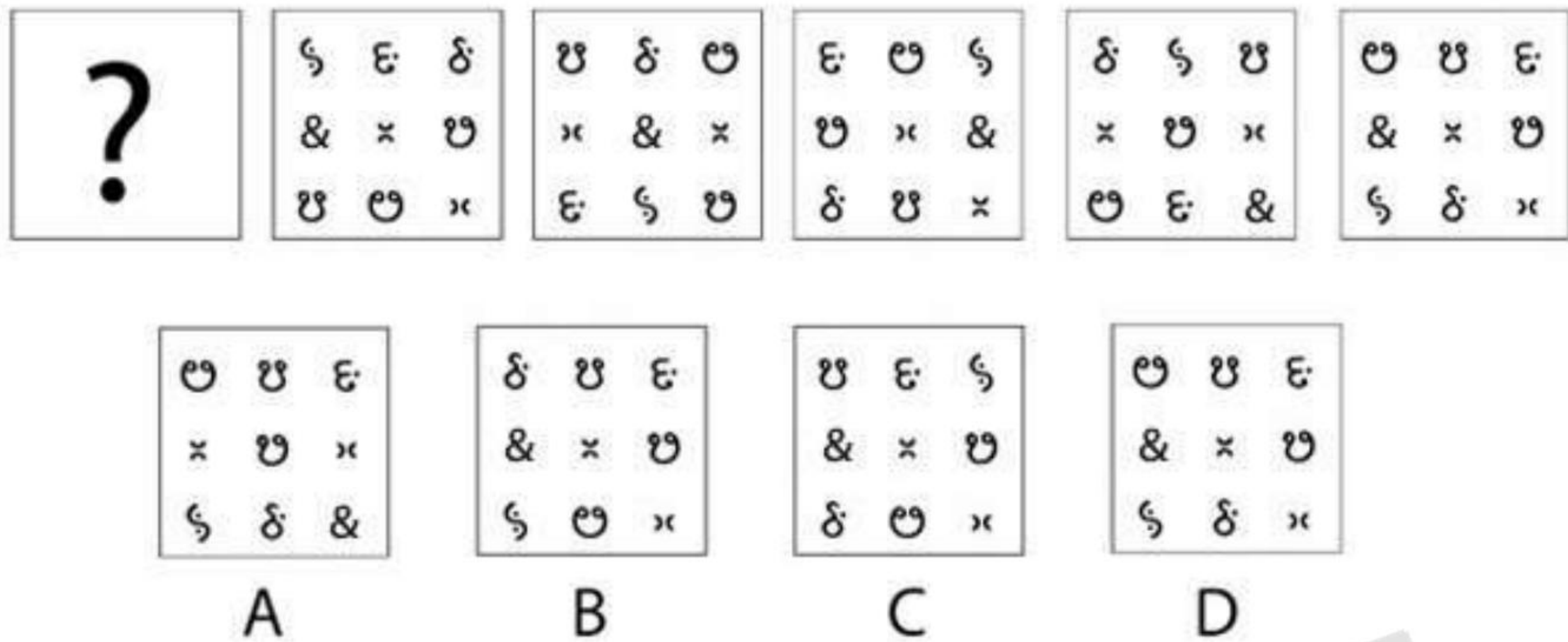
Q.18 Consider the following sentences from the Nobel Lecture of the writer Doris Lessing:

"That poor girl trudging through the dust dreaming of an education for her children, do we think that we are better than she is – we, stuffed full of food, our cupboards full of clothes, stifling in our superfluities?"

I think it is that girl, and the women who were talking about books and an education when they had not eaten for three days, that may yet define us."

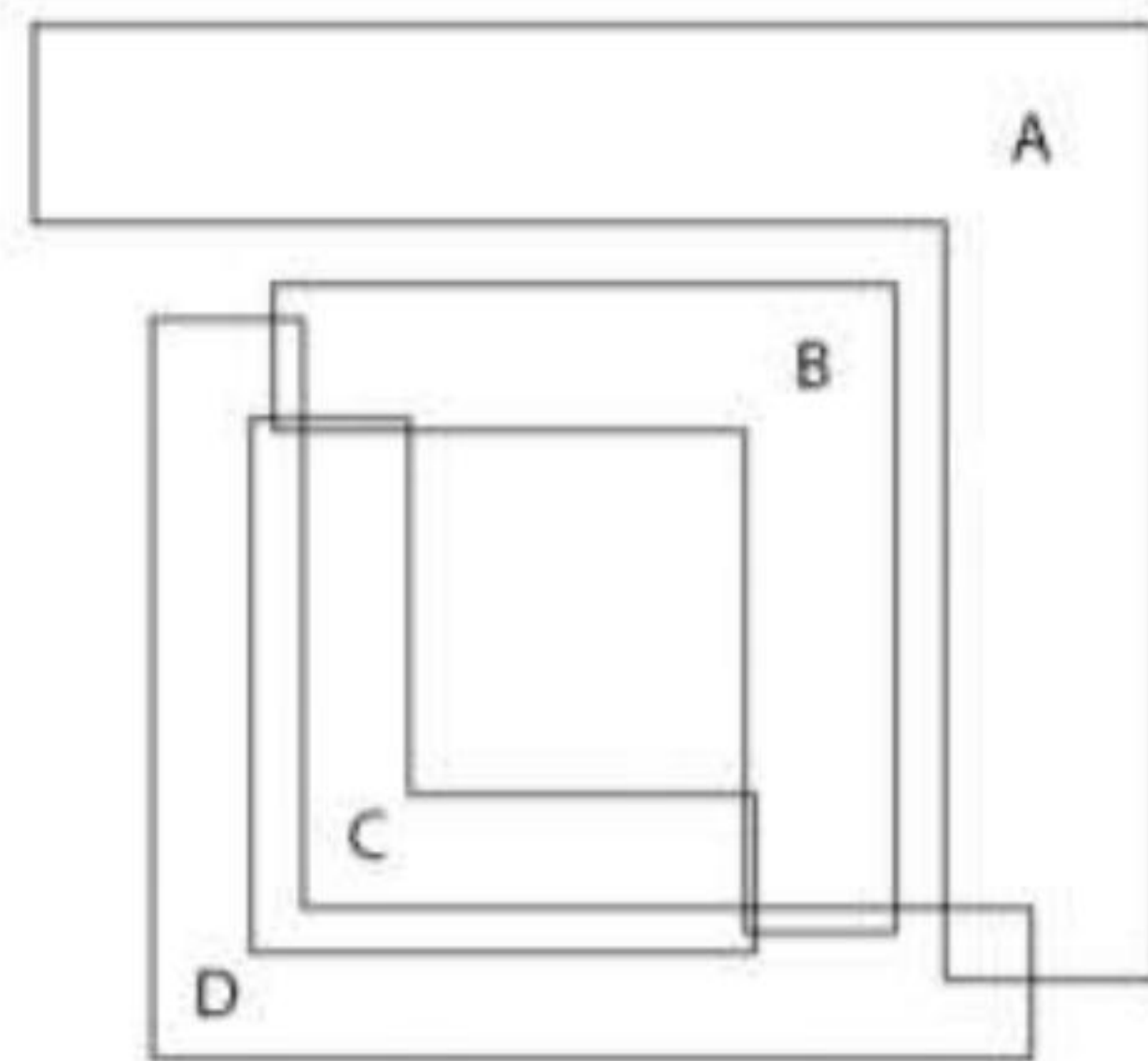
Which

Q.25 Which option will replace the question mark?

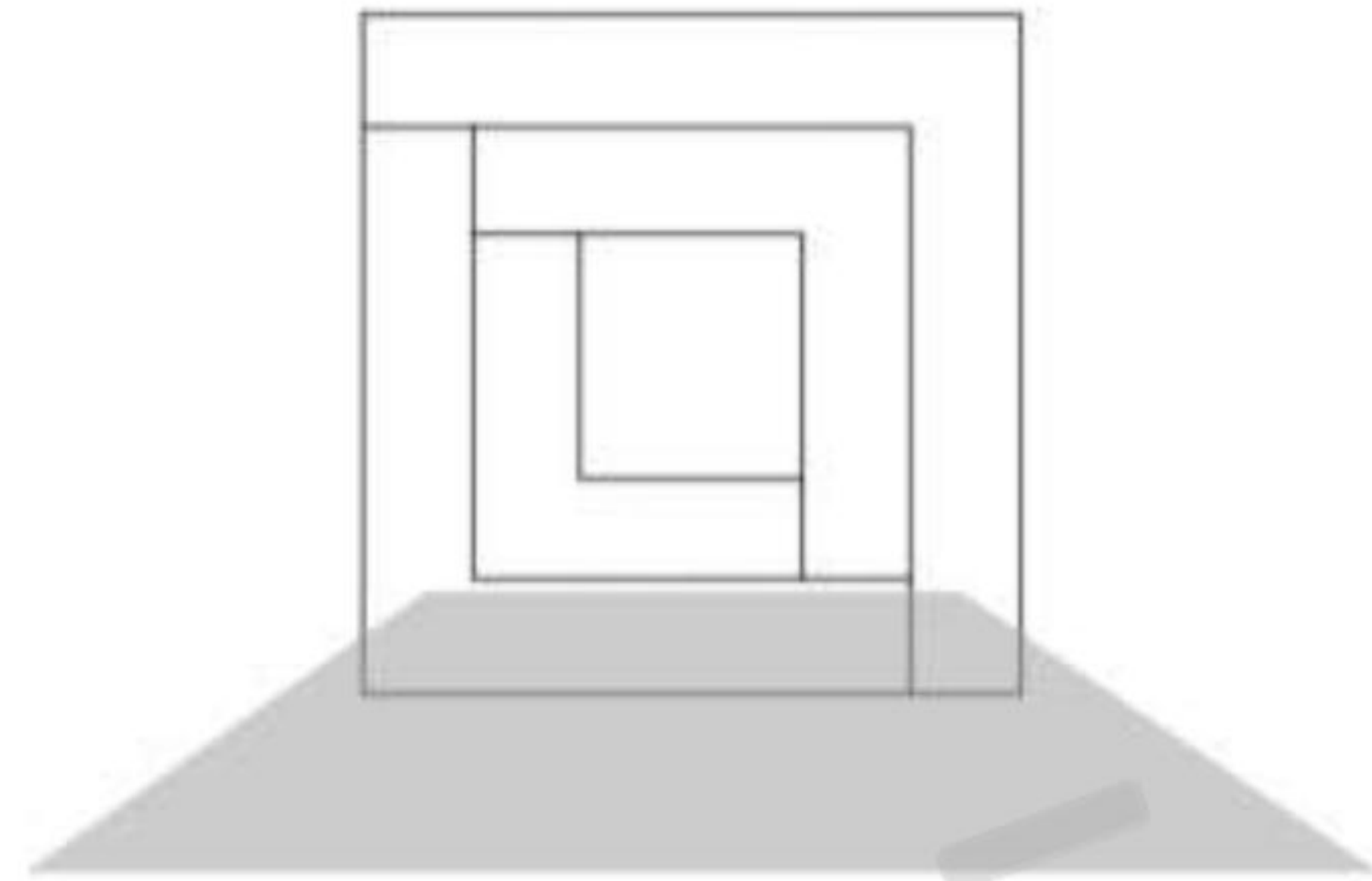


Q.41 Four transparent planes A, B, C and D are shown in front view on the left. But when viewed in perspective, they appear like the image shown on the right.

Which plane is the farthest from the viewer?



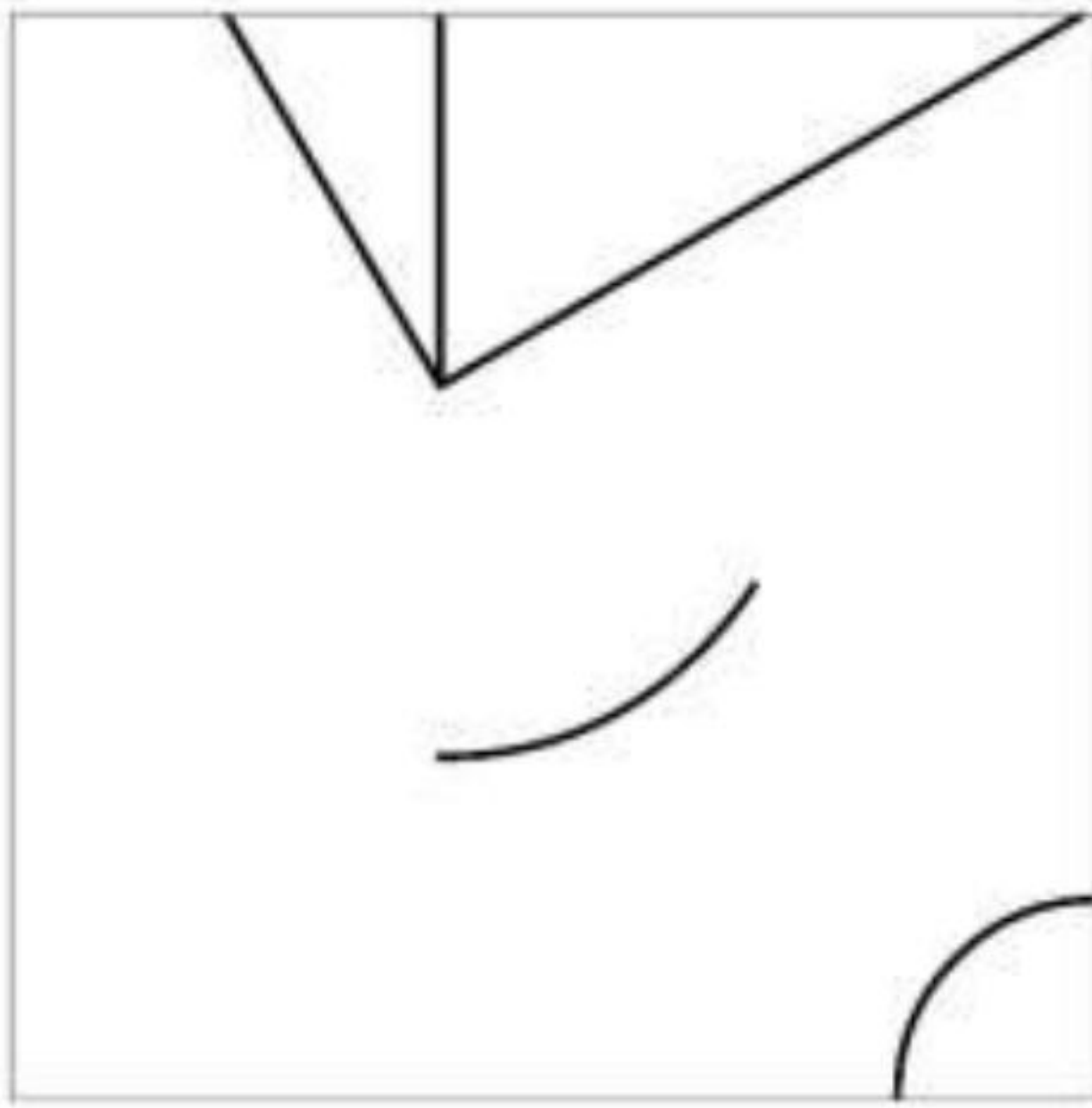
Front



Perspective View

Q.2 Creativity (20 marks = 10x2)

Building upon the visual elements given in the ten boxes, create recognizable images and give a title to each. A theme for each of the first three boxes has been given as printed in the answer booklet. Use only **BLACK** pencil/pen. Draw only within the boundaries of the boxes.



Evaluation criteria:

Originality and diversity of ideas, clarity and neatness of sketches

