

# NATA 2021 CAAD BITESIZE

02.07.2021 PCQ/MCQ/MSQ/NAQ

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Prepared by  
**EXPERTS IN  
ARCHITECTURE  
EDUCATION**

**ANNA  
UNIVERSITY  
COUNSELLING  
CODE**

**1152**

**BITESIZE  
16**



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▪ **DIAGRAMMATIC REASONING / LOGICAL REASONING**

- NUMERICAL REASONING
- VERBAL REASONING / SITUATIONAL JUDGEMENT
- INDUCTIVE REASONING
- ABSTRACT REASONING
- ART MOVEMENT AND HISTORY
- VISUAL PERCEPTION
- BUILDING MATERIALS AND CONSTRUCTION

01. Choose the image that completes the pattern.



Source: www.jobtestprep.co.uk

A.



B.



C.



D.



**Answer key**

B.



B.

**Theory**

All triangles "move" slightly counter-clockwise and outside. A good solving tip would be to try and disassemble the complete figure to its elements (triangles) and to focus each time on one of the elements.

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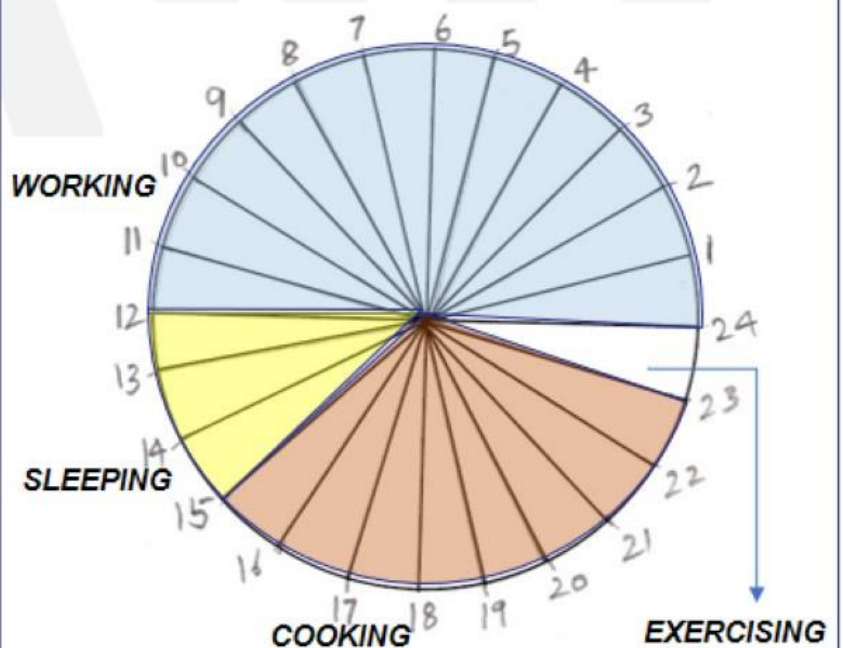
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02. In 2019, a person spent half the time working, a third in sleeping and one-eighth in cooking. He spent the rest of the time exercising. How many total hours did he spend exercising?

Theory



Answer key

365 Hours

$$\begin{aligned}
 \text{Total no. of hours in the year 2019} &= 365 \times 24 \\
 &= 8760 \\
 \text{Hours spent working} &= 8760 / 2 \\
 &= 4380 \\
 \text{Hours spent sleeping} &= 8760 / 3 \\
 &= 2920 \\
 \text{Hours spent in cooking} &= 8760 / 8 \\
 &= 1095 \\
 \text{Hours spent in exercising} &= 8760 - (4380 + 2920 + 1095) \\
 &= 8760 - 8395 \\
 &= 365 \text{ hours}
 \end{aligned}$$

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**03. Complete the following sentence by using parts which are labelled PQRS.**

It is always better \_\_\_\_\_

P. and

Q. in a well-ventilated space

R. to keep the refrigerator

S. not in a closed cavity.

A. RQPS

B. PQRS

C. RPSQ

D. SQRP

#### **Explanation**

The proper sequence is RQPS. Let us see why.

The sentence starts with 'It is always better', which is the subject. The next logical question which follows is: 'What is better?'. The phrase/clause which follows needs to answer this question.

The phrase (R) i.e. 'to keep the refrigerator' answers this question. Hence, it has to immediately follow the initial clause. Hence, the first part of the sentence is: 'It is always better to keep the refrigerator'.

Now, the next part which follows has to describe how/where the refrigerator has to be kept in such a way that it is better. The prepositional phrase 'in a well-ventilated space' answers the question about where the refrigerator has to be placed. Hence, (Q) follows (R). The two other parts left are (P) and (S). We know that a sentence cannot end with 'and'. Hence the next part is (P) i.e. 'and'. The final part is (S) i.e. 'not in a closed cavity'.

So, the correct sentence is: 'It is always better (R) to keep the refrigerator (Q) in a well-ventilated space (P) and (S) not in a closed cavity'.

**Answer key:**

**A. RQPS**



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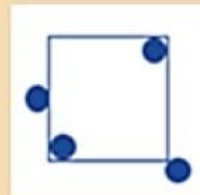
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04. identify from the options which comes next in the sequence.

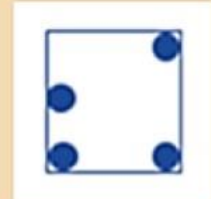


Source: www.iprep.online

A.



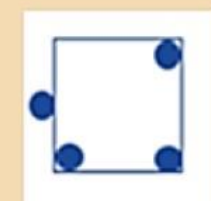
B.



C.



D.



Answer key

C.



**Theory**

In the pair at the left, every circle that was attached to the square from the outside moves to the adjacent position inside the square. Respectively, every circle that was attached to the square from the inside moves to the adjacent position outside the square.

In order to maintain the analogy, the same rule must apply to the pair at the right.

Answer C does just that – three circles that were outside of the visible element of the pair at the right move inside, and one circle that was inside the element moves outside

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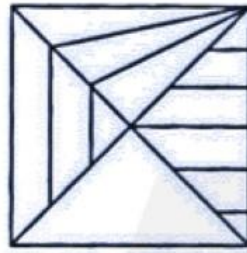
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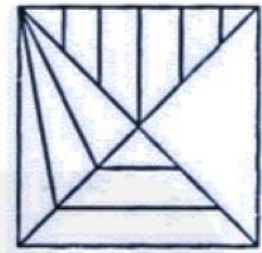
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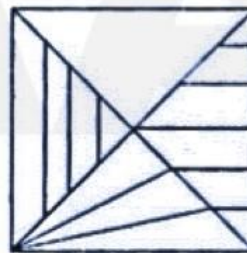
05. Find the odd figure out in the figures given below.



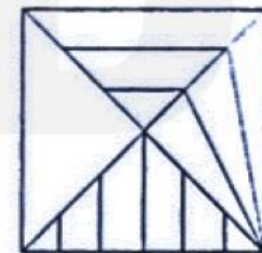
A



B



C



D

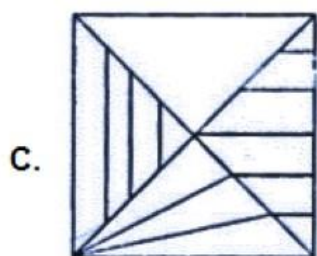
A. Option A

B. Option B

C. Option C

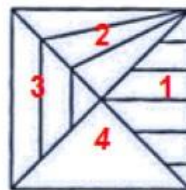
D. Option D

Answer key

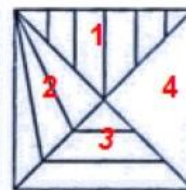


C.

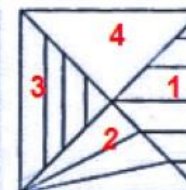
Theory



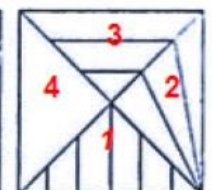
A



B



C



D

The patterns named 1,2,3 and 4 are arranged in anti-clockwise direction in the options A, B and D whereas in Option C it is arranged in clockwise direction. Also Option C has the same patterns as others in 1, 2 and 4 but the pattern in 3 is different from the others. So Option C is the odd one out of the others.

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06. Identify the Art movement related to the painting?



A. Cubism

B. Impressionism

C. Dadaism

D. Renaissance

Answer key

B. Impressionism

Theory

**The Starry Night**, a moderately abstract landscape painting (1889) of an expressive night sky over a small hillside village, is one of the Dutch artist Vincent van Gogh's most celebrated works. Vincent van Gogh was a **Expressionist** painter whose work — notable for its beauty, emotion and color — highly influenced 20th-century art. People, places and objects are **distorted or exaggerated**. Even nature is sometimes distorted. The scenes show a modern world which is **hostile and alienating**. The sinister feeling is amplified by aggressive and **raw brush strokes**.

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07. Identify five principles of design visually seen in this famous historic building called Hawa Mahal in Jaipur.



A. Repetition	B. Hierarchy
C. Transformation	D. Rhythm
E. Datum	F. Symmetry
G. Emphasis	H. Axis

Answer key

Repetition, Hierarchy, Rhythm, Symmetry, Axis

Theory:

MSQ

Principle of Design are

- Axis
- Symmetry
- Asymmetry
- Hierarchy
- Rhythm
- Datum
- Transformation
- Repetition

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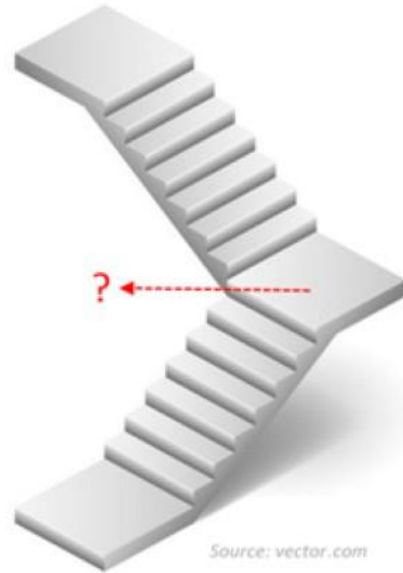
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08. \_\_\_\_\_ is the horizontal platform provided between two flights of stairs.



A. Handrail

B. Tread

C. Landing

D. Rise

**Answer key**

**C. Landing**

**Theory**

*A landing facilitates change of direction and provides an opportunity for taking rest during the use of a stair. Stair landing should be provided at the top and bottom, equal to the width of stairs.*

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