NATA 2021 CAAD BITESIZE

22.06.2021   **PCQ/MCQ/MSQ/NAQ**

caad

Prepared by
EXPERTS IN ARCHITECTURE EDUCATION

ANNA UNIVERSITY COUNSELLING CODE

1152

BITESIZE

02

- **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. Which one of the small shapes below can be copied and put together like a puzzle to form the large square? Use as many copies of the one shape as you need.
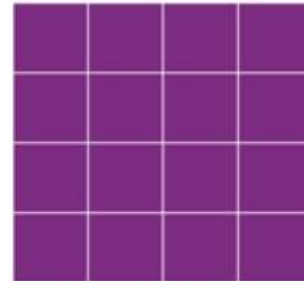
Source: CAAD-DRL

A.

B.

C.

D.

Answer key

C.

Theory

COMBINING TWO-DIMENSIONAL SHAPES

In this pattern, the question comprises of a series of two dimensional shapes which are cut from a parent shape. The question is to identify the parent shape.

Key Strategy: Relate the parent shape to the choices given and find which element can be combined with multiples of itself to form the parent shape. Note that the parent shape does not have any elements protruding out.

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02. Two Thermometers A and B have ice points marked at 15° and 25° and steam points at 75° and 125° respectively. When the thermometer A measures the temperature of a bath as 60° the reading of B for the same bath is

A. 60°	B. 75°
C. 100°	D. 90°

Theory

For any two thermometers,

$$\frac{Reading - Ice\ Point}{Steam\ Point - Ice\ Point} = Constant$$

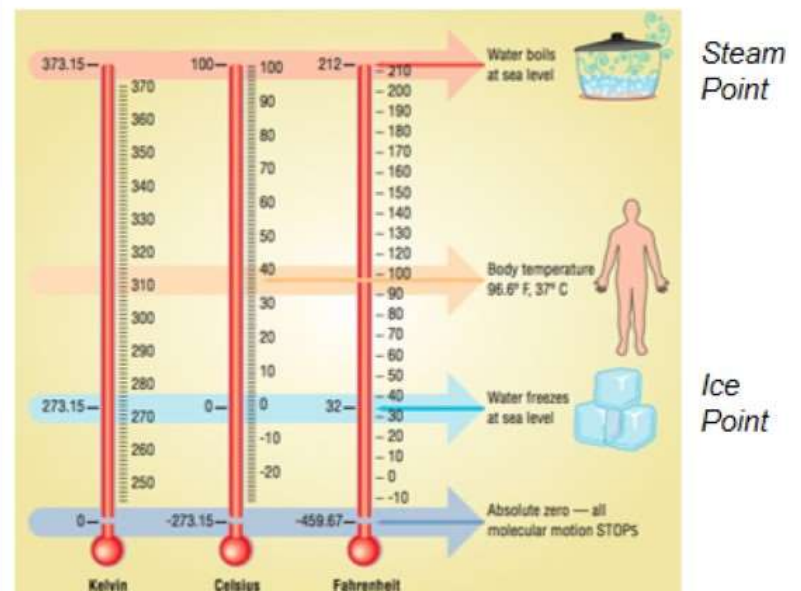*(This formula is the base for the conversion of Celsius to Fahrenheit and vice versa)*

Therefore,

$$\frac{60-15}{75-15} = \frac{x-25}{125-25}$$

Solving the equation we get, x = 100 °

Answer key

C.   100°

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Answer key:

C.   QSRP

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

If suddenly you throw a brick at me _____

(P) and not a result of deliberate thought

(Q) and my hand goes up to protect myself

(R) instinctive action

(S) it is an automatic

A. PQRS	B. RQSP
C. QSRP	D. SPQR

Explanation:
The first two parts are a sequence of events, where one is an action and the other is the response. The words 'if suddenly you throw...' will be followed by Q: 'and my hand goes up', because it states a reflexive reaction that will take place immediately after the action. Hence, Q comes first in the underlined sequence.

P does not follow the if-clause because it does not form a complete thought. Hence, the part that comes first is Q, and not P. Similarly, R and S do not follow the if-clause as it does not form a coherent meaning. The part that follows Q is S, as the word 'it' refers to the reaction 'my hand goes up to protect myself'. R follows S because the words 'instinctive action' further define 'it'. Part P follows R as the words 'and not a result' link to the other parts that explain the reflex reaction.

This sequence is seen in option C, hence it is the correct option.

Since the other options begin with P, R and S, and it's been established that Q comes first, options A, B and D are incorrect.

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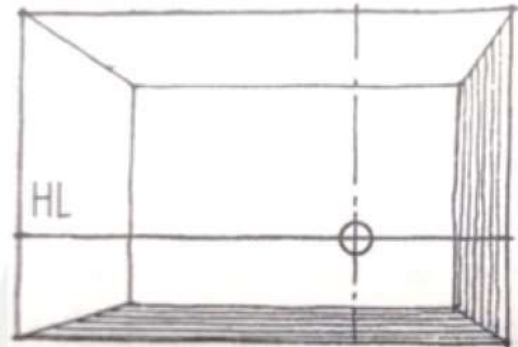- VERBAL REASONING / SITUATIONAL JUDGEMENT

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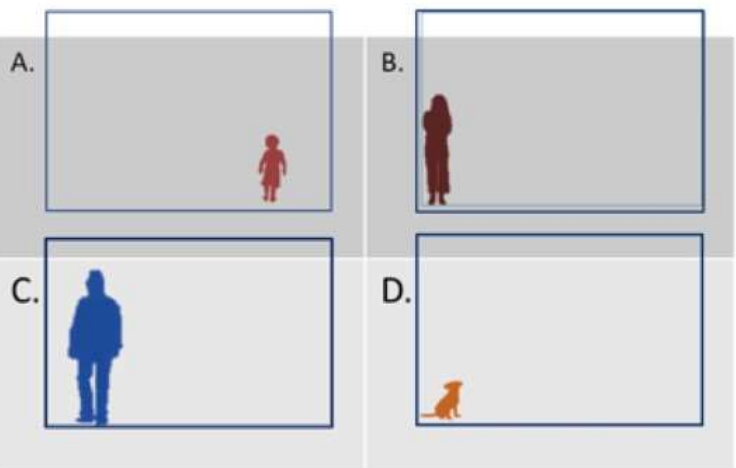- ABSTRACT REASONING

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04. From whose point of view amongst the four figures shown is the given perspective drawn?
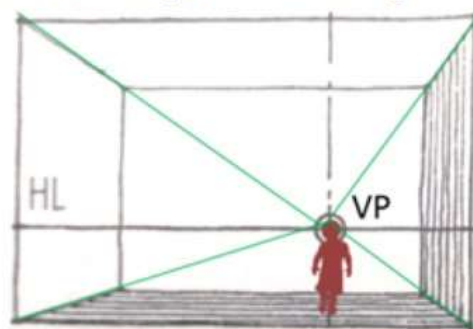

HL

Source: CAAD- DRL

A.

B.

C.

D.

Answer key

A.

Theory

The position of others are at the left side and the HL is higher or lower compared to the one given

HL

VP

HL- Horizon line
VP- Vanishing point

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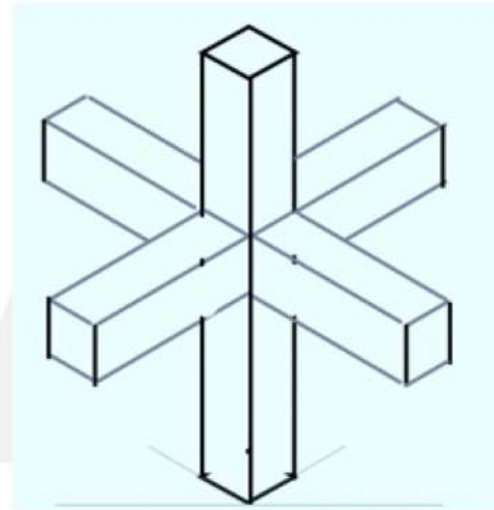- VERBAL REASONING / SITUATIONAL JUDGEMENT

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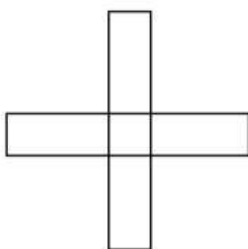- ART MOVEMENT AND HISTORY

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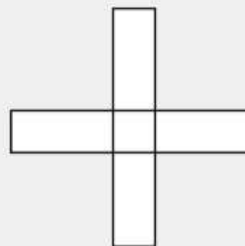**05. Which will be the top view of the 3d object given below?**

A.

B.

C.

D.

Answer key
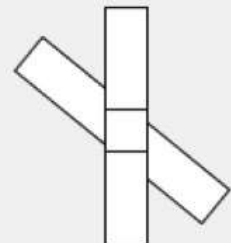
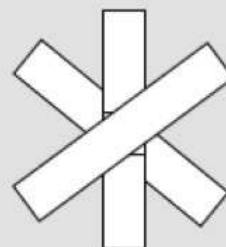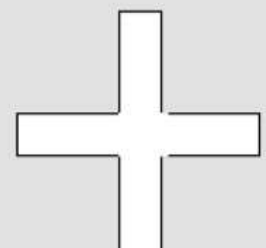A.

Theory

Options B and C can not be relevant since the two horizontal bars are at right angles to each other.

Option D is not correct because the vertical element is missing at the center.

So Option A is the correct answer.

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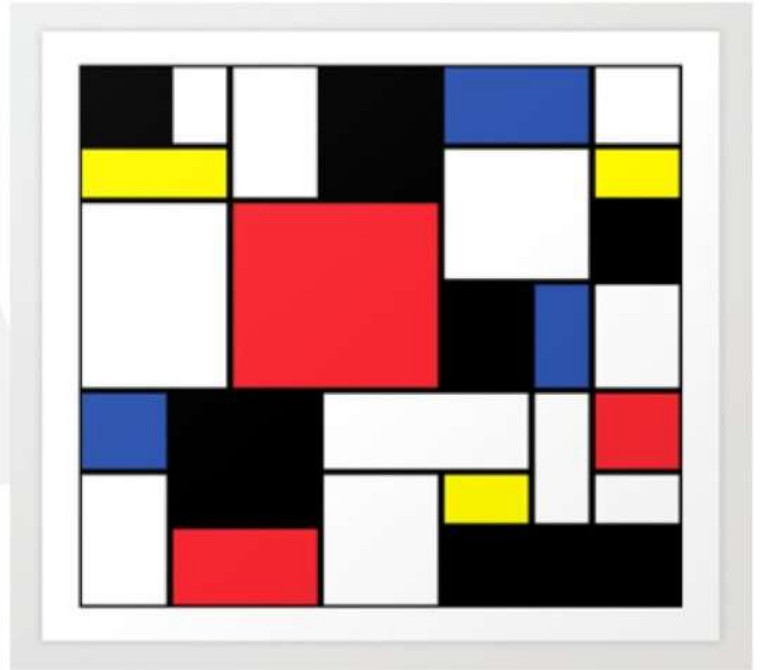- VERBAL REASONING / SITUATIONAL JUDGEMENT

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06. Name the art movement behind this Painting?

A. Art Deco	B. De Stijl
C. Expressionism	D. Dadaism

Answer key

B. De Stijl

Theory

Headed by Dutch artists Piet Mondrian and Theo van Doesburg, De Stijl rejected pre-war decorative tendencies (think Art Nouveau) and pushed Cubism to new extremes: total abstraction consisting of only the most basic design components — vertical and horizontal lines, and primary colors.

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07. What are the colours that have been used to create the Mathematics text book cover shown below?

TEXT BOOK

09 standard
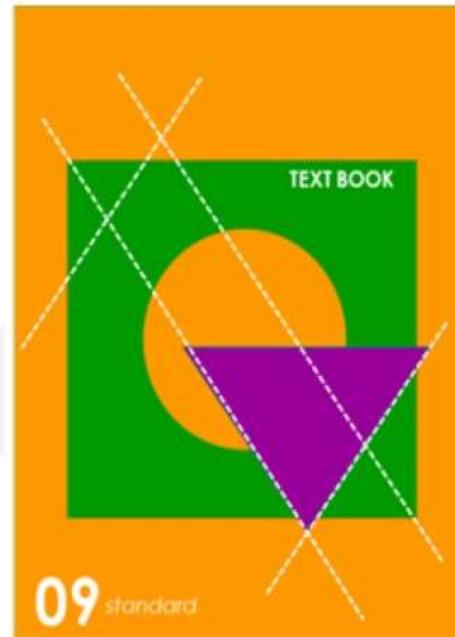
A. Primary Colours	B. Shades of Yellow
C. Secondary Colours	D. Warm Colours

Answer key

C. Secondary Colours

Theory:
Secondary colours
These are the colours formed by mixing the primary colours.

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08. The height of the door opening in residential buildings should not be less than _____.
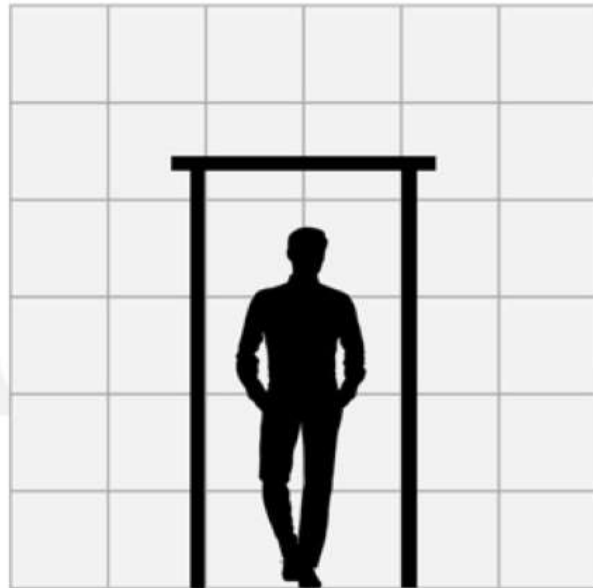
A. 0.5 m	B. 1.1m
C. 2.1m	D. 4.1m

Answer key

C.   2.1m

Theory

LINTEL HEIGHT:

A lintel is a horizontal beam that spans across the top of openings like doors, windows etc. in buildings to support the load from the structure above. The height between the floor level and lintel level is known as lintel height. As per the building regulations and guidelines, for residential buildings the standard height of 7feet (2.1m) is adopted for lintels.

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