

▪ 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. Ryan is playing with a set of cylindrical shaped coins and stacking them to create a composition. How will the stack of coins look like when he stands and views it from the position and direction of the arrow mark given below?



A.



B.



C.



D.



Answer key

B.



Theory

VISUAL COMPARISON

Several objects will be grouped together in the question and the view of the composition from the given direction has to be chosen from the options given.

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02. The cost of painting the walls of a room at the rate of Rs. 1.35 per square metre is Rs. 346.20 and the cost of carpeting the floor at the rate of Rs. 0.85 per m² is Rs. 91.80. If the length of the room is 12 m, then the height of the room is:

A. 6M

B. 12M

C. 1.2M

D. 13.27M



Answer key

A. 6M

Theory

Let length, breadth and height of the room be l , b and h , respectively.

Then, area of four walls of the room
 $= 2(l + b)h = 340.20 / 1.35 = 252m^2$

$\Rightarrow (l + b)h = 126 \quad \dots (i)$

And $l \times b = 91.8 / 0.85 = 108$

$12 \times b = 108 \quad (\because l = 12m)$

$\Rightarrow b = 9m$

Using (i), we get, $h = 126 / 21 = 6m$

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03. Read the passage below and answer the questions that follow:

Care should be taken when submitting manuscripts to book publishers. A suitable publisher should be chosen, by a study of his list of publications or an examination in the bookshops of the type of books in which he specializes. It is a waste of time and money to send the typescript of a novel to a publisher who publishes no fiction, or poetry to one who publishes no verse, though all too often this is done. A preliminary letter is appreciated by most publishers, and this should outline the nature and extent of the typescript and enquire whether the publisher would be prepared to read it (writers have been known to send out such letters of enquiry in duplicated form, an approach not calculated to stimulate a publisher's interest). It is desirable to enclose the cost of return postage when submitting the typescript and finally it must be understood that although every reasonable care is taken of the material in the Publishers' possession, responsibility cannot be accepted for any loss or damage thereto.

Authors are strongly advised not to pay for the publication of their work. If a MS. Is worth publishing, a reputable publisher will undertake its publication at his own expense, except possibly for works of an academic nature. In this connection we may have to consider Self-publishing and vanity publishing.

Give the suitable Central idea of the passage

- Manuscripts when sent for publication must have preliminary letter in more than one copy with cost of publication.
- Manuscripts must be submitted to reputed publisher, who publishes the material of that kind with a brief letter and cost of return expenses.
- The manuscripts before submission, must be personally discussed with the publishers, along with a letter and making it clear with him that only a part of publication expenses will be borne by the writer.
- While submitting the manuscripts for publication, all the details are to be made abundantly clear with the publisher in writing along with the share of expenses. Any reputed publisher can be selected who may publish the manuscript.

Answer key:

- B. Manuscripts must be submitted to reputed publisher, who publishes the material of that kind with a brief letter and cost of return expenses.**

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04. Veera arranged four shapes in a sequence. She has arranged it in the following pattern. Identify from the given options which shape comes next in the sequence.



Source: CAAD-DRL

A.



B.



C.



D.



Answer key

D.



Theory

- The solid pentagon is moving backwards and forwards between the top-left corner and the bottom-left corner.
- The white hollow pentagon is moving anti-clockwise around the box half a side at a time.
- The solid circle is moving clockwise around the box, moving one and a half sides each time. The star is irrelevant as it doesn't change. The correct answer is therefore D.
- The solid pentagon has become invisible because it is now behind the solid circle.

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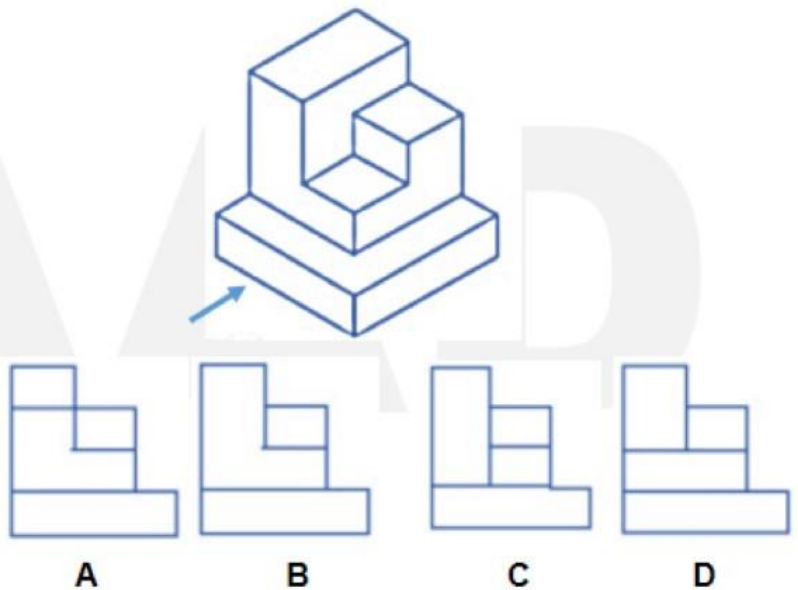
▪ **ABSTRACT REASONING**

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05. The figure shows the isometric view of an object. Identify the correct front view looking in the direction of the arrow.



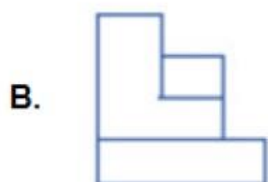
A. Option A

B. Option B

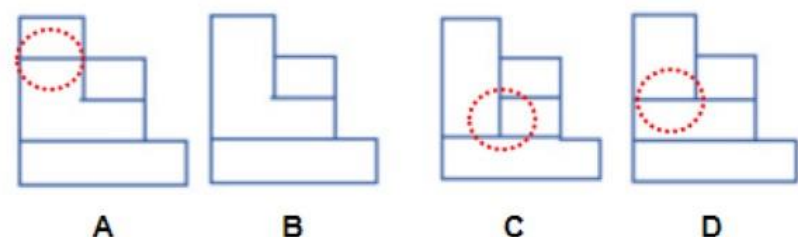
C. Option C

D. Option D

Answer key



Theory



The lines inside the red circles are the lines which are not possible in the front view. So Option B is correct

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06. Name the Art movement related to this image.



A. Surrealism

B. Cubism

C. Bauhaus

D. Constructivism

Answer key

A. Surrealism

Theory

Surrealist artists—like Joan Miró, Salvador Dalí, Pablo Picasso, or Michael Cheval, among many others—seek to explore the unconscious mind as a way of creating art, resulting in dreamlike, sometimes bizarre imagery across endless mediums. The core of Surrealism is a focus on illustrating the mind's deepest thoughts automatically when they surface. This thought process for creating art known as "automatism."

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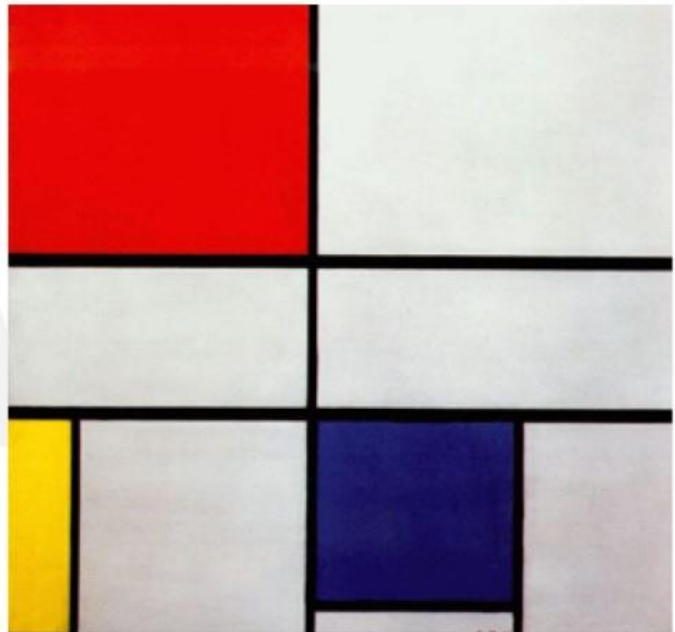
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07. Which elements of design are used in this famous composition of Piet Mondrian ?



A. Lines

B. Shape

C. Colours

D. All of the above.

Answer key

D. All of the above.

Theory:

Elements in Architecture are

- Point
- Lines
- Shape
- Space
- Colour Form
- Texture

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08. _____ is a type of metamorphic rock that is used widely for floorings in commercial buildings, kitchens, bathrooms etc. It has been used as flooring since ancient times.

A. Vitrified tiles

B. Marble

C. Rubber tiles

D. Linoleum tiles

Answer key

B. Marble

Theory

The term marble refers to metamorphosed limestone. It has firm crystalline structure and slight porosity. Due to its structure, marble can be polished with great efficiency giving it a fine luster. It is commonly used for sculpture and as a building material.

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