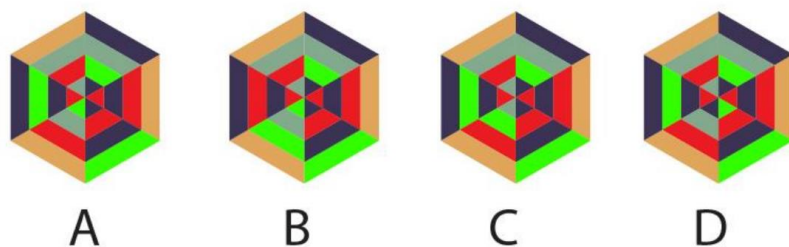


VISUAL REASONING	LOGICAL DERIVATION	NUMERICAL ABILITY
	GENERAL KNOWLEDGE, ARCHITECTURE & DESIGN	
DESIGN THINKING	LANGUAGE INTERPRETATION	DESIGN SENSITIVITY

Which option is correct?



A. Option A

B. Option B

C. Option C

D. Option D

Answer key:

Theory:

A.



All the colour bands are correct. Hence this option is correct.



This colour is green instead of grey. So this is incorrect



This colour is green instead of grey. So this is incorrect



This colour is green instead of blue. So this is incorrect

Suggested Reading: Basics of Orthographic projections

" For a swift review of the subject, kindly consult the study materials available on the website"

This document is a intellectual property of CAAD – Chennai Academy of Architecture and Design. This daily lessons are compiled by expert team of academicians as preparation guidebook for B.Arch., Aptitude examination to aspirants for studying architecture and practicing the same as profession in the future. The material shall not be retained and disseminated to others for commercial purpose. Image copyrights as relevant

VISUAL REASONING	LOGICAL DERIVATION	NUMERICAL ABILITY
	GENERAL KNOWLEDGE, ARCHITECTURE & DESIGN	
DESIGN THINKING	LANGUAGE INTERPRETATION	DESIGN SENSITIVITY

Which element of design is highlighted in the below image?



Source: Composition, Batch 2016, CAAD

A. Line

B. Texture

C. Plane

D. Colour

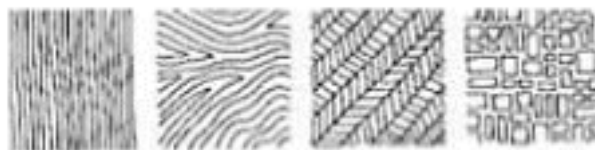
Answer key:

B. Texture

Theory:

Texture

Texture refers to the surface quality. Textures can create a more three-dimensional appearance on a two-dimensional surface. It can be categorized as visual and tactile (sense of touch) texture.



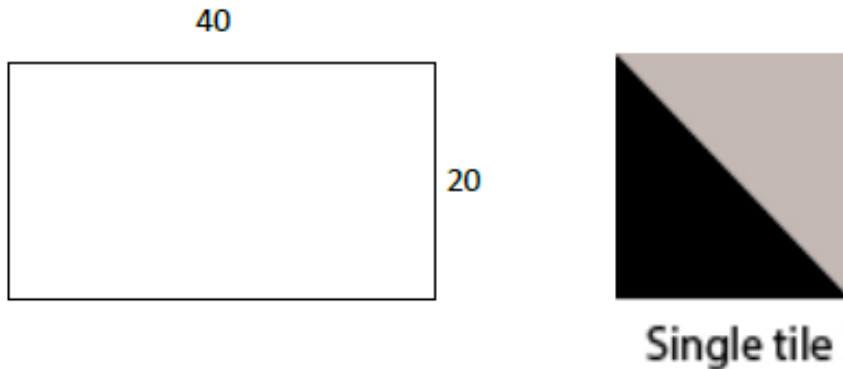
Suggested Reading: Principles of design

" For a swift review of the subject, kindly consult the study materials available on the website"

This document is a intellectual property of CAAD – Chennai Academy of Architecture and Design. This daily lessons are compiled by expert team of academicians as preparation guidebook for B.Arch., Aptitude examination to aspirants for studying architecture and practicing the same as profession in the future. The material shall not be retained and disseminated to others for commercial purpose. Image copyrights as relevant

VISUAL REASONING	LOGICAL DERIVATION	NUMERICAL ABILITY
GENERAL KNOWLEDGE, ARCHITECTURE & DESIGN		
DESIGN THINKING	LANGUAGE INTERPRETATION	DESIGN SENSITIVITY

The image is a ceramic tile of dimension 20 cm x 20 cm. How many distinct patterns can you create by using two such ceramic tiles in a rectangular patch of 40 cm x 20 cm on the wall?



A. 16

B. 20

C. 24

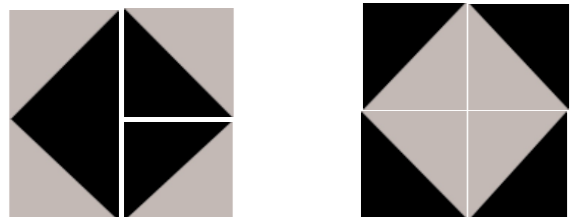
D. 12

Answer key:

A. 16

Theory:

A single tile (of four sides) can be arranged in 4 ways (each side as the base every time). Likewise, the second tile can be arranged in 4 ways. So, the total no. of ways of arranging two tiles, 4 ways each is $4 \times 4 = 16$



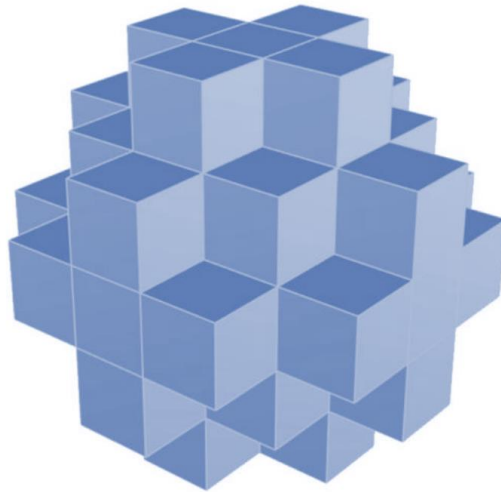
Suggested Reading: Probability

" For a swift review of the subject, kindly consult the study materials available on the website"

This document is a intellectual property of CAAD – Chennai Academy of Architecture and Design. This daily lessons are compiled by expert team of academicians as preparation guidebook for B.Arch., Aptitude examination to aspirants for studying architecture and practicing the same as profession in the future. The material shall not be retained and disseminated to others for commercial purpose. Image copyrights as relevant

VISUAL REASONING	LOGICAL DERIVATION	NUMERICAL ABILITY
	GENERAL KNOWLEDGE, ARCHITECTURE & DESIGN	
DESIGN THINKING	LANGUAGE INTERPRETATION	DESIGN SENSITIVITY

A solid object made of cubes is shown below. This object is symmetric about all three axes, and does not contain cavities (no hollow spaces). How many cubes does the solid contain?



A. 56

B. 55

C. 54

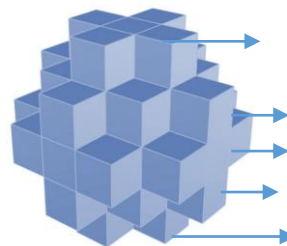
D. 57

Answer key:

D. 57

Theory:

Since the object is symmetrical about the three axes, we count the no. of cubes in the three rows of the top, which will be sufficient.



First Row = 5

Second Row = $5+8 = 13$

Third Row = $5+8+13 = 26$

Same as Second Row = 13

Same as First Row = 5

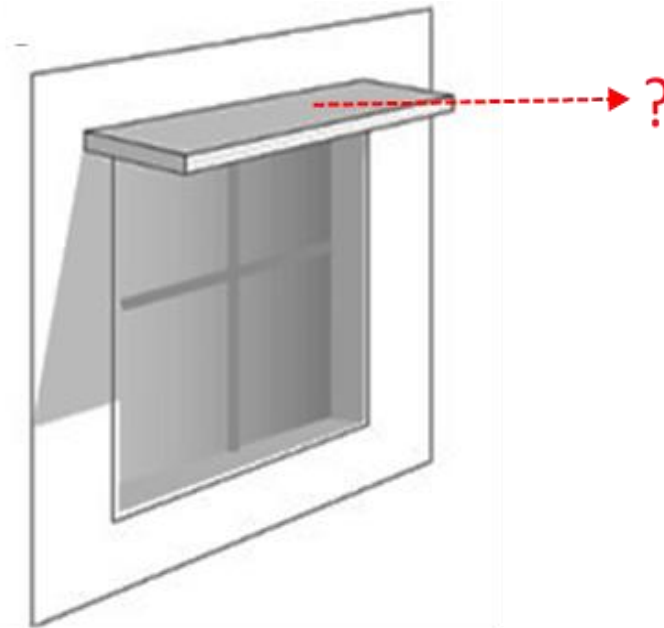
Suggested Reading: Solids and Geometry

" For a swift review of the subject, kindly consult the study materials available on the website"

This document is a intellectual property of CAAD – Chennai Academy of Architecture and Design. This daily lessons are compiled by expert team of academicians as preparation guidebook for B.Arch., Aptitude examination to aspirants for studying architecture and practicing the same as profession in the future. The material shall not be retained and disseminated to others for commercial purpose. Image copyrights as relevant

VISUAL REASONING	LOGICAL DERIVATION	NUMERICAL ABILITY
GENERAL KNOWLEDGE, ARCHITECTURE & DESIGN		
DESIGN THINKING	LANGUAGE INTERPRETATION	DESIGN SENSITIVITY

Why Chajjas/ Sunshades are provided over openings on external walls in a building?



A. To provide strength to the external wall

B. To transfer the load of the external wall to foundation

C. To provide protection from sun and rain

D. To give access to different rooms in the building

Answer key:

Theory:

C. To provide protection from sun and rain

Chajja or sunshade is a sloping or horizontal structure overhang provided at lintel level on the external walls of the building. Apart from reducing heat gain and preventing water ingress, the sunshade has also been a key feature in dictating the aesthetics of a building form.

Suggested Reading: Basics of building construction/Components

" For a swift review of the subject, kindly consult the study materials available on the website"

This document is a intellectual property of CAAD – Chennai Academy of Architecture and Design. This daily lessons are compiled by expert team of academicians as preparation guidebook for B.Arch., Aptitude examination to aspirants for studying architecture and practicing the same as profession in the future. The material shall not be retained and disseminated to others for commercial purpose. Image copyrights as relevant

VISUAL REASONING	LOGICAL DERIVATION	NUMERICAL ABILITY
GENERAL KNOWLEDGE, ARCHITECTURE & DESIGN		
DESIGN THINKING	LANGUAGE INTERPRETATION	DESIGN SENSITIVITY

Name the Art movement related to this image.



Source: <https://www.artsy.net/article/artsy-editorial-what-is-surrealism>

A. Surrealism

C. Cubism

B. Bauhaus

D. Constructivism

Answer key:

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.”

A. Surrealism

Suggested Reading: Art Movement

" For a swift review of the subject, kindly consult the study materials available on the website"

This document is a intellectual property of CAAD – Chennai Academy of Architecture and Design. This daily lessons are compiled by expert team of academicians as preparation guidebook for B.Arch., Aptitude examination to aspirants for studying architecture and practicing the same as profession in the future. The material shall not be retained and disseminated to others for commercial purpose. Image copyrights as relevant

VISUAL REASONING	LOGICAL DERIVATION	NUMERICAL ABILITY
	GENERAL KNOWLEDGE, ARCHITECTURE & DESIGN	
DESIGN THINKING	LANGUAGE INTERPRETATION	DESIGN SENSITIVITY

What is the primary focus of human-centered design in architecture?

A. Maximizing architectural aesthetics

B. Prioritizing economic feasibility

C. Understanding and addressing user needs and experiences

D. Emphasizing historical accuracy

Answer key:

C. Understanding and addressing user needs and experiences

Theory:

Human-centred design in architecture emphasizes understanding and addressing user needs and experiences to create spaces that are functional, comfortable, and meaningful for the people who use them.

Suggested Reading: Design Thinking

"For a swift review of the subject, kindly consult the study materials available on the website"

This document is a intellectual property of CAAD – Chennai Academy of Architecture and Design. This daily lessons are compiled by expert team of academicians as preparation guidebook for B.Arch., Aptitude examination to aspirants for studying architecture and practicing the same as profession in the future. The material shall not be retained and disseminated to others for commercial purpose. Image copyrights as relevant

VISUAL REASONING	LOGICAL DERIVATION	NUMERICAL ABILITY
	GENERAL KNOWLEDGE, ARCHITECTURE & DESIGN	
DESIGN THINKING	LANGUAGE INTERPRETATION	DESIGN SENSITIVITY

Find the synonym of the underlined word.

The manager is always tactful when he deals with angry customers.

A. Firm

C. Outspoken

B. Diplomatic

D. Cunning

Answer key:

Theory:

B. Diplomatic

B Diplomatic : 'Tactful' means having or showing skill and sensitivity in dealing with others or with difficult issues.

"they need a tactful word of advice"

In this context, "The manager is always tactful when he deals with angry customers", 'tactful' means diplomatic. Hence, option B is correct and the other options are not because they do not provide the appropriate information.

Suggested Reading: Synonyms

" For a swift review of the subject, kindly consult the study materials available on the website"

This document is a intellectual property of CAAD – Chennai Academy of Architecture and Design. This daily lessons are compiled by expert team of academicians as preparation guidebook for B.Arch., Aptitude examination to aspirants for studying architecture and practicing the same as profession in the future. The material shall not be retained and disseminated to others for commercial purpose. Image copyrights as relevant

VISUAL REASONING	LOGICAL DERIVATION	NUMERICAL ABILITY
	GENERAL KNOWLEDGE, ARCHITECTURE & DESIGN	
DESIGN THINKING	LANGUAGE INTERPRETATION	DESIGN SENSITIVITY

Select the lettered pair that has the same relationship as the original pair of words.

Search : Find

A. Sleep: Wake

C. Explore: Discover

B. Draw: Paint

D. Think: Relate

Answer key:

Theory:

C. One searches in order to find; one explores in order to discover.

C. Explore :Discover

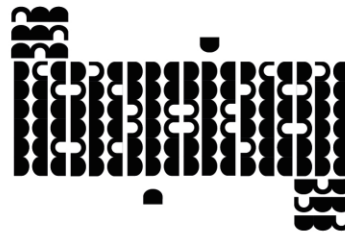
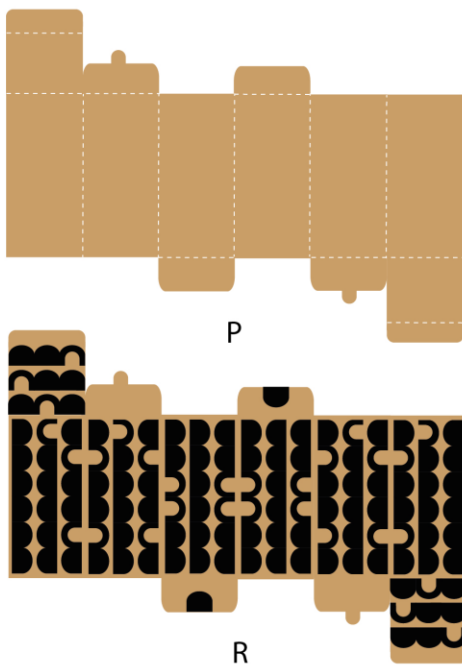
Suggested Reading: Analogy

" For a swift review of the subject, kindly consult the study materials available on the website"

This document is a intellectual property of CAAD – Chennai Academy of Architecture and Design. This daily lessons are compiled by expert team of academicians as preparation guidebook for B.Arch., Aptitude examination to aspirants for studying architecture and practicing the same as profession in the future. The material shall not be retained and disseminated to others for commercial purpose. Image copyrights as relevant

VISUAL REASONING	LOGICAL DERIVATION	NUMERICAL ABILITY
	GENERAL KNOWLEDGE, ARCHITECTURE & DESIGN	
DESIGN THINKING	LANGUAGE INTERPRETATION	DESIGN SENSITIVITY

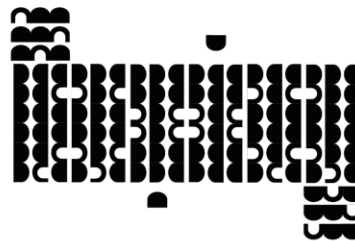
Which of the options can be printed on P to get R?



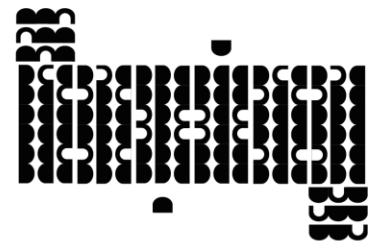
A



B



C



D

A. A, D

C. A,C,D

B. C, D

D. CBDAE

Answer key:

Theory:

Option C and D can be used to print on the base P to get R.

D can be printed directly o P

C has to be rotated 180 degrees and then printed on P to get R.

B. C and D

Suggested Reading: Lateral Thinking

"For a swift review of the subject, kindly consult the study materials available on the website"

This document is a intellectual property of CAAD – Chennai Academy of Architecture and Design. This daily lessons are compiled by expert team of academicians as preparation guidebook for B.Arch., Aptitude examination to aspirants for studying architecture and practicing the same as profession in the future. The material shall not be retained and disseminated to others for commercial purpose. Image copyrights as relevant