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

Find the correct answer that defines the correct nature of the shadow
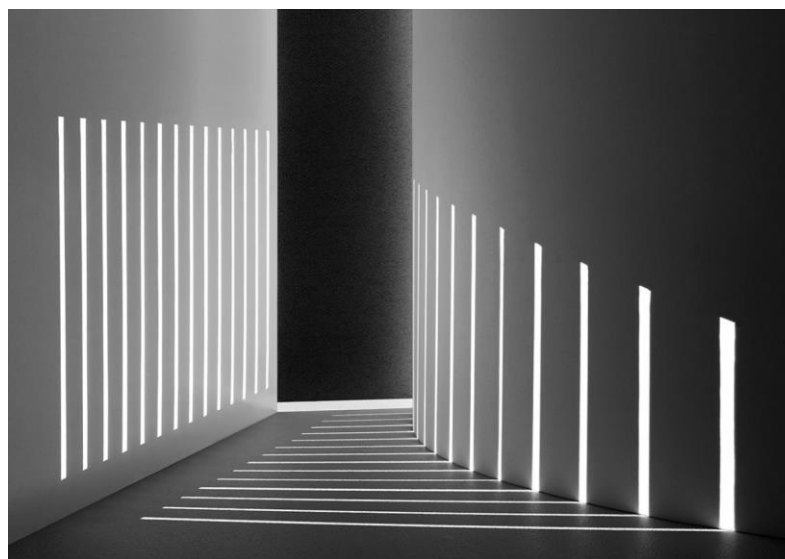
Source: www.creativeboom.com

A. Shadow of the plane figure on a parallel plane is identical in size and shape of the object.	**C. Cast shadows clearly indicates the form of the surface upon which they are cast.**
B.A shadow profile changes direction with every change in form that receives the shadow	**D. When the object is not in contact with the ground, the shadow will be seen attached from the object**

Answer key:

B & C

Theory:

Shadows are the relatively dark figures cast upon a surface by an opaque body or part of a body intercepting the rays from a light source.
The shape of the shadow is dependent on
- *The position of shade line & the observer, The direction of the light and the form of the surfaces on which the plane of the shadow falls*
- *When the object is not in contact with the ground, the shadow will seen detached from the object*

Suggested Reading: Basics of light and shadow
" For a swift review of the subject, kindly consult the study materials available on the website"

B.Arch.,

For Admissions Contact
WWW.CAAD.AC.IN

9710 55 4545
9710 93 0025

caad

CHENNAI ACADEMY OF ARCHITECTURE AND DESIGN

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

Name the predominant principle used in the following composition.
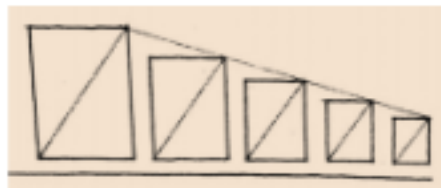

Source: CAAD DRL

A. Hierarchy	B. Repetition
C. Datum	D. Emphasis

Answer key:

B. Repetition

Theory:

REPETITION
Repetition refers to one object or shape repeated

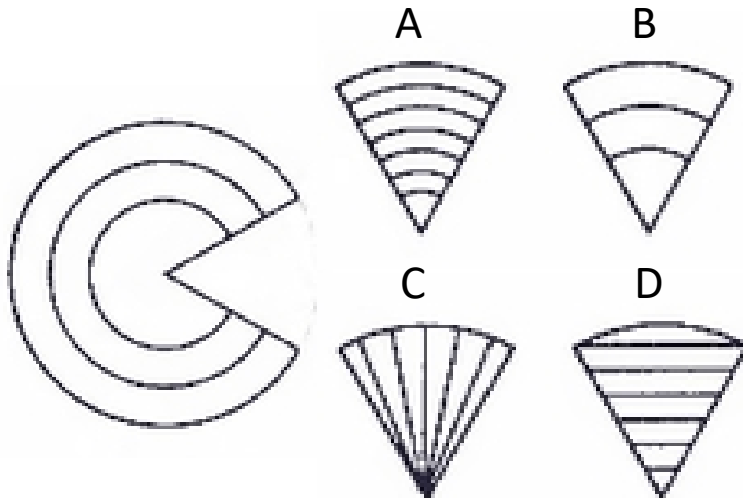
Suggested Reading: Principles of design
" For a swift review of the subject, kindly consult the study materials available on the website"

B.Arch.,
For Admissions Contact
WWW.CAAD.AC.IN
9710 55 4545
9710 93 0025
caad
CHENNAI ACADEMY OF ARCHITECTURE AND DESIGN

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

Find the missing part

A   B   C   D

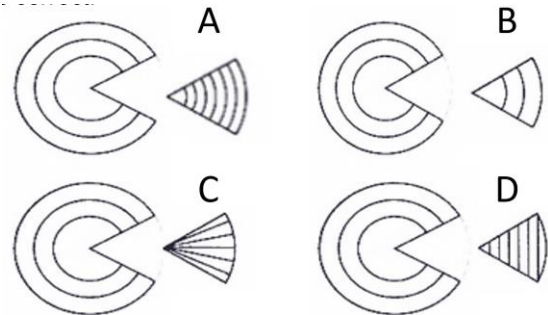| A. Option A	B. Option B
C. Option C	D. Option D

Answer key:

B.

Theory:

From the image below, its clearly understood that Option B is correct.
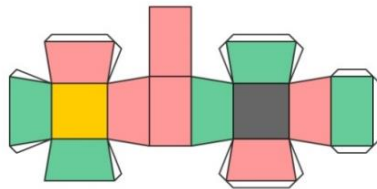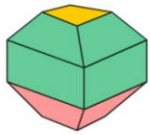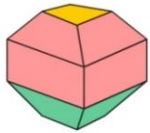

Suggested Reading: Geometry
" For a swift review of the subject, kindly consult the study materials available on the website"

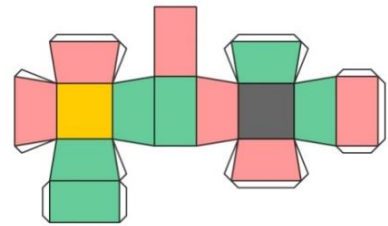| VISUAL REASONING	LOGICAL DERIVATION	NUMERICAL ABILITY
	GENERAL KNOWLEDGE, ARCHITECTURE & DESIGN	
DESIGN THINKING	LANGUAGE INTERPRETATION	DESIGN SENSITIVITY

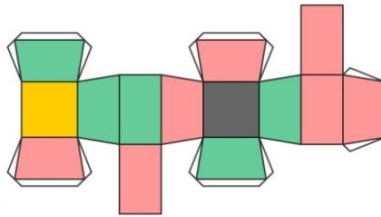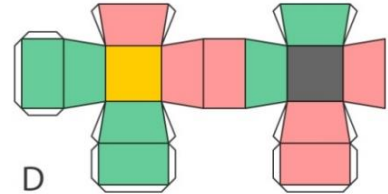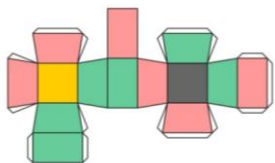## Which option is correct?

A. Option A

B. Option B

C. Option C

D. Option D

Answer key:

B.

Theory:

The rectangular boxes should be 2 rose and 2 green. But here there is only one green box
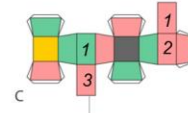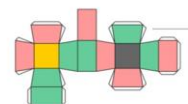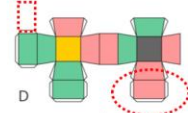
This net is correct to the given shape. Hence this option is correct.
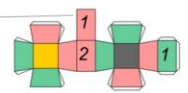
The rectangular boxes should be 2 rose and 2 green. But here there is only one green box and 3 rose boxes.

This rose rectangular box has to come as a vertical element on top of the green vertical box. So this is incorrect

Suggested Reading: Solids and their nets
" For a swift review of the subject, kindly consult the study materials available on the website"

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

08. The _____ stairs take up less space than traditional staircases. This is because the steps are located within the diameter of the circle, regardless of the height.

A. Straight	B. Dog-legged
C. Spiral	D. Half-turn

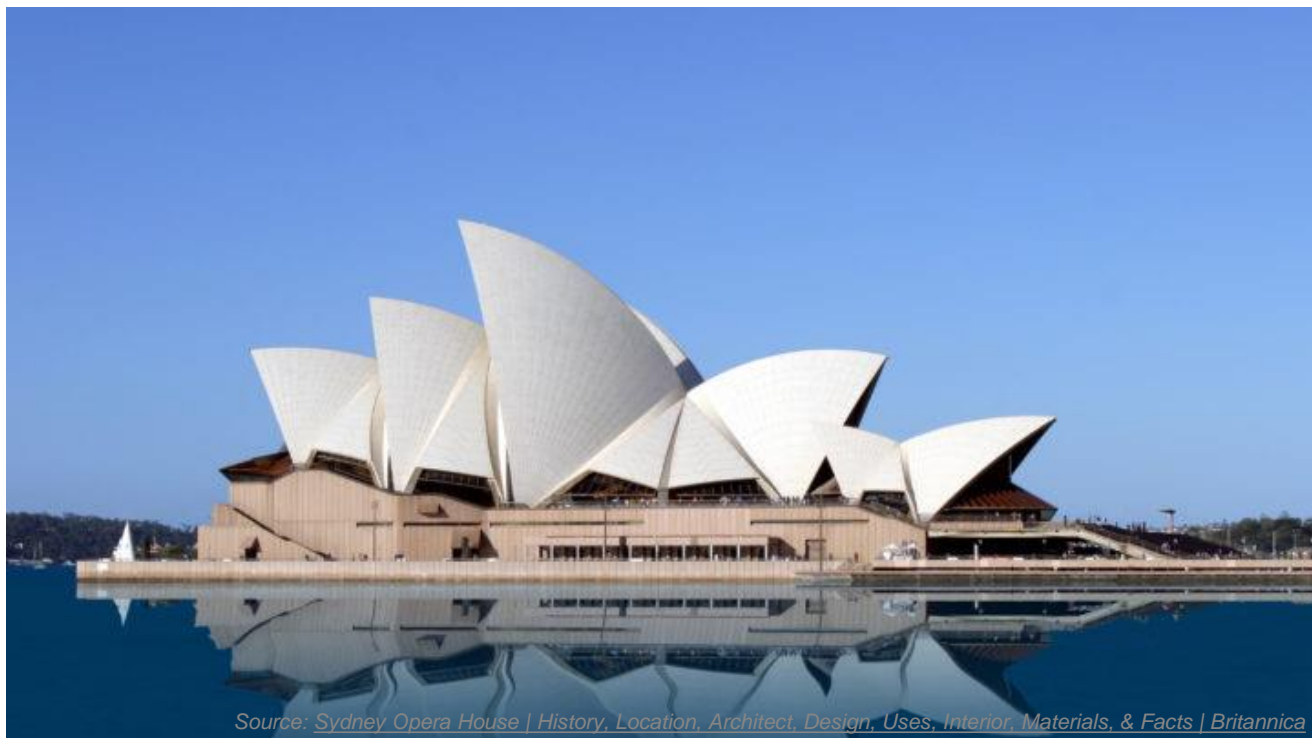| Answer key:	Theory:
C. Spiral	*A type of round stair or curved stairs that consists of individual steps, or treads, that are connected to a center column. The treads rotate around this central point as you go up or down the stair, creating a spiral design.*

Suggested Reading: Basics of building construction/Components
" For a swift review of the subject, kindly consult the study materials available on the website"

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

The Sydney Opera House is a notable example of:

Source: *Sydney Opera House | History, Location, Architect, Design, Uses, Interior, Materials, & Facts | Britannica*

A. Art deco	C. Brutalist
B. Expressionist	D. Deconstructivist architecture

Answer key:

A. Deconstructivist Architecture

Theory:

Explanation: The Sydney Opera House's shell-like concrete structures and daring, fragmented forms are hallmarks of Deconstructivism, distinguishing it from Art Deco, Brutalist, and Expressionist styles.

Suggested Reading: Art Movement
" For a swift review of the subject, kindly consult the study materials available on the website"

B.Arch.,

For Admissions Contact
WWW.CAAD.AC.IN

9710 55 4545
9710 93 0025

caad
CHENNAI
ACADEMY OF
ARCHITECTURE AND
DESIGN

VISUAL REASONING	LOGICAL DERIVATION	NUMERICAL ABILITY

GENERAL KNOWLEDGE, ARCHITECTURE & DESIGN		

DESIGN THINKING	LANGUAGE INTERPRETATION	DESIGN SENSITIVITY

What technique is used to generate a large number of ideas without judgment during the ideation phase of design thinking?

A. Brainstorming

B. Storyboarding

C. Mind mapping

D. SWOT analysis

Answer key:

A. Brainstorming

Theory:

"Brainstorming is a technique commonly used in the ideation phase of design thinking to generate a large quantity of ideas without judgment.

Suggested Reading: Design Thinking
" For a swift review of the subject, kindly consult the study materials available on the website"

B.Arch.,

For Admissions Contact
WWW.CAAD.AC.IN

9710 55 4545
9710 93 0025

caad — CHENNAI ACADEMY OF ARCHITECTURE AND DESIGN

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

Select the appropriate word in each sentence below. The answer is the set of options in all the four sentences

1. Apart from looking **through [A] / at [B]** the system and the curriculum, the authorities must review the teaching methods **and [A] / but [B]** help the teachers to adapt themselves to the changing environment.
2. More than the curriculum, it is the rigid systems of examination and ranking that has made school education **so [A] / as [B]** stressful.
3. This is of course not the first time that the presumed virtues of complex financial products have been questioned in the developed worlds **nor [A] / or [B],** for that matter, in India.
4. Dupont's lark needs flat scrubland **but [A] / though [B]** in Spain much of this has been used for construction of buildings.

A. BABAA	C. ABABB
B. BAABA	D. ABBAB

Answer key:

B.BAABA

Theory:

Option B: *In this context looking at is correct. 'Apart from' should be followed by 'and' not 'but.' 'As stressful' must show some kind of comparison. Here there is no comparison, hence, 'so stressful' is acceptable 'Neither . . . nor . . .' are co-ordinating conjunctions therefore one cannot be used without the other. Hence 'or' is suitable. In sentence 4 a contrast is shown, hence 'but' is more suitable. Hence BAABA.*

Suggested Reading: Appropriate words in sentence formation.
" For a swift review of the subject, kindly consult the study materials available on the website"

VISUAL REASONING	LOGICAL DERIVATION	NUMERICAL ABILITY

| GENERAL KNOWLEDGE, ARCHITECTURE & DESIGN | | |

| DESIGN THINKING | LANGUAGE INTERPRETATION | DESIGN SENSITIVITY |

One of the statements below contains a word used incorrectly. Choose the option which has the incorrect or inappropriate usage of the word.

(a) The attackers decided to raise the castle to the ground.

(b) They raised their children to be freethinking boys and girls.

(c) To raise a toast to a newly-wed couple is a common practice.

(d) The rays of the sun rose above the mountain.

A. a	**C. c**
B. b	**D. d**

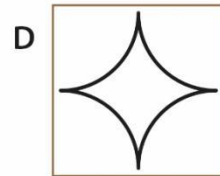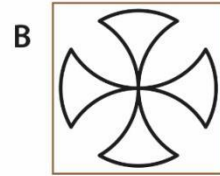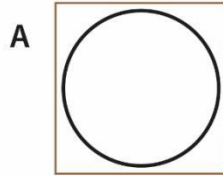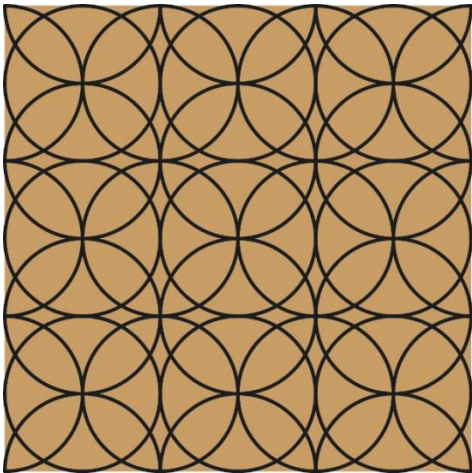| **Answer key:**	**Theory:**
	We are dealing with "raise", "rays" and a probably wrong usage of these words. "Raise" is to construct, develop, nourish someone or something. "Rays" refers to light. These result in options B, C and D being error-free.
	In option A, "raise" is a wrong usage, because "raise" cannot be accompanied by "to the ground". The correct usage is "razed the castle to the ground". Hence, the right answer choice is option A.
A. a	*The question is "One of the statements below contains a word used incorrectly. Choose the option which has the incorrect or inappropriate usage of the word" Hence, the answer is The attackers decided to raise the castle to the ground.*

Suggested Reading: Appropriate word usage - Homophones
" For a swift review of the subject, kindly consult the study materials available on the website"

B.Arch.,

For Admissions Contact
WWW.CAAD.AC.IN

9710 55 4545
9710 93 0025

caad — CHENNAI ACADEMY OF ARCHITECTURE AND DESIGN

VISUAL REASONING	LOGICAL DERIVATION	NUMERICAL ABILITY

| GENERAL KNOWLEDGE, ARCHITECTURE & DESIGN | |

DESIGN THINKING	LANGUAGE INTERPRETATION	DESIGN SENSITIVITY

Match the logos with corresponding entities.

A

B

C

D

A. A,B

B. B,C

C. A,D

D. B,D

Answer key:

C. A,D

Theory:

C. A and D:
The repetition of shape A and shape D can result in the pattern shown. Shape B and C cannot form the said pattern.

B.Arch.,

For Admissions Contact
WWW.CAAD.AC.IN

9710 55 4545
9710 93 0025

caad

CHENNAI ACADEMY OF ARCHITECTURE AND DESIGN