NATA 2024 – CAAD BITESIZE VISUAL REASONING LOGICAL DERIVATION NUMERICAL ABILITY GENERAL KNOWLEDGE, ARCHITECTURE & DESIGN

DESIGN THINKING

LANGUAGE INTERPRETATION

DESIGN SENSITIVITY

Following are the images of famous buildings in India. Based on the converging lines, identify how the photographer captured the image.



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

9710 93 0025

For Admissions Contact

WWW.CAAD.AC.IN

B.Arc

ons Contact **9710 55 4545**

CHENNAL

DESIGN





Suggested Reading: visual composition " 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

For Admissions Contact

B.Arch.

Contact **9710 55 4545**

9710 93 0025

CHENNAL

DESIGN

caad 🗄

ACADEMY OF

ARCHITECTURE AND

NATA 2024 – CAAD BITESIZE

VISUAL REASONING

LOGICAL DERIVATION

NUMERICAL ABILITY

GENERAL KNOWLEDGE, ARCHITECTURE & DESIGN

```
DESIGN THINKING
```

LANGUAGE INTERPRETATION

DESIGN SENSITIVITY

CHENNAL

DESIGN

ACADEMY OF

ARCHITECTURE AND

caad 🗄

A tetrahedral puzzle is made of smaller tetrahedrons. Shown below is one side of the puzzle and a small tetrahedron. Assuming that all the faces of the puzzle are same, how many small tetrahedrons are there on the faces of the larger tetrahedron?



| A. 64 | B. 54 | | |
|----------------------|--|--|--|
| C. 48 | D. 44 | | |
| Answer key: D. 44 | Theory: A tetrahedron has 3 sides and 1 base. On all the sides, same no. of tetrahedrons should be visible. Total number on face $1 = 16$ Total number on face $2 = 16 - 4 = 12$ (the deduction is because they are already counted for the face 1) Total number on face $3 = 16 - (1+2+2+2) = 9$ (the deduction is because they are already counted for the face 1 and 2) Total number on base $= 16 - (3+6) = 7$ (The deduction is because they are already are already counted for faces 1,2 and 3) So, Total no. of Tetrahedrons $= 16 + 12 + 9 + 7$ = 44 | | |

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

9710 55 4545

9710 93 0025

For Admissions Contact

B.Arch.,



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

9710 55 4545

9710 93 0025

For Admissions Contact

WWW.CAAD.AC.IN

B.Arch.

COODES ACADEMY OF ARCHITECTURE AND DESIGN

CHENNAL

| NATA 2024 – CAAD BITESIZE 4 | | | | | |
|--|--|--|--|--|--|
| VISUAL REASONING LOGICAL I | DERIVATION NUMERICAL ABILITY | | | | |
| GENERAL KNOWLEDGE, | ARCHITECTURE & DESIGN | | | | |
| DESIGN THINKING LANGUAGE IN | TERPRETATION DESIGN SENSITIVITY | | | | |
| Windows project outside the external wall of a room. | | | | | |
| | | | | | |
| A. Clerestory | B. Lantern | | | | |
| C. Skylight | D. Bay | | | | |
| Answer key: D. Bay | Theory: BAY WINDOW: A window space projecting outward from the main walls of a building and forming a bay in a room. These Windows admit more light, increase opening area, provide ventilation and improve the appearance of the building. | | | | |
| 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 – Chappai Academy of Architecture and Design. This doi/y lossone are compiled by event term of academician | | | | | |

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

For Admissions Contact

B.Arch.,

9710 55 4545 WWW.CAAD.AC.IN 9710 93 0025

caad 🖽

CHENNAI

DESIGN

ACADEMY OF ARCHITECTURE AND



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

> For Admissions Contact WWW.CAAD.AC.IN

B.Arch

9710 55 4545 9710 93 0025

caad B

CHENNAL

DESIGN

ACADEMY OF

ARCHITECTURE AND

| VISUAL REASONING | LOGICAL DERIVATION | NUMERICAL ABILITY | | | |
|--|--|--|--|--|--|
| GENERA | AL KNOWLEDGE, ARCHITECTURE | & DESIGN | | | |
| DESIGN THINKING | NKING LANGUAGE INTERPRETATION DESIGN SENSITIVITY | | | | |
| uring the brainstorming pha | ise, what is encouraged? | | | | |
| A. Criticizing and dismisB. Limiting the number | ssing all ideas of ideas generated | | | | |
| C. Postponing idea gen | eration for later stages | | | | |
| D. Allowing free-nowing | ridea generation without jud | gment | | | |
| | | | | | |
| nswer key: D. Allowing free-flowing idea without judgment | Theory: "Brainstormin in the ideation generate a la judgment. | ng is a technique commonly use n phase of design thinking to rge quantity of ideas without | | | |

For Admissions Contact WWW.CAAD.AC.IN

B.Arch.,

9710 55 4545 caad 🖽 9710 93 0025

CHENNAI ACADEMY OF ARCHITECTURE AND DESIGN



For Admissions Contact

B.Arch

ontact 9710 55 4545

9710 55 4545 9710 93 0025 CHENNAI ACADEMY OF ARCHITECTURE AND DESIGN

| NATA 2024 – CAAD BITESIZE 6 | | | | | | |
|---|--------------------|---|--|----------------------|--|--|
| VISUAL REASONING | LOGICAL DERIVATION | | NUMERICAL ABILITY | | | |
| GENERAL KNOWLEDGE, ARCHITECTURE & DESIGN | | | | | | |
| DESIGN THINKING | LANGUAGE IN | TERPRETATION | DESIGN SENSITIVITY | | | |
| Choose the correct alternative from the following options as given below for the Assertion (A) and Reason (R) given in each of the questions. | | | | | | |
| Assertion (A) Most of the Himalayan rivers are perennial. Reason (R) They are fed by melting snow | | | | | | |
| A. if both A and R are true an correct explanation of A | d R is the | C. if A is true b | ut R is false | | | |
| B. if both A and R are true an correct explanation of A | d R is not the | D. if A is false I | out R is true | | | |
| Answer key: A. if both A and R are true an correct explanation of A | nd R is the | Theory: <i>Option A:</i> <i>Most Himalayan I</i> <i>they are fed by th</i> <i>year.</i> <i>Thus, both A and</i> <i>explains A.</i> | rivers are perennial beca ne melting snow through I R are true & R correctly | ause out the / | | |
| Suggested Reading: Assertion and Reason Type Questions " 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

For Admissions Contact

B.Arch.,

ntact 9710 55 4545

9710 93 0025





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

> For Admissions Contact WWW.CAAD.AC.IN

B₋A

rcn

- 9710 55 4545 9710 93 0025
- caad 🖁

CHENNAL

DESIGN

ACADEMY OF

ARCHITECTURE AND