

NATA 2021 CAAD BITESIZE

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Prepared by
**EXPERTS IN
ARCHITECTURE
EDUCATION**

**ANNA
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COUNSELLING
CODE**

1152

**BITESIZE
07**



B.Arch., 9710 55 4545 / 9710 93 0025

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▪ **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. Identify the set to which the Fig 1 belongs to



Fig 1



Set 1



Set 2

| | |
|----------------------------|-------------------------|
| A. Set 1 | B. Set 2 |
| C. Neither Set 1 nor Set 2 | D. Both Set 1 and Set 2 |

Answer key

A. Set 1

Theory

Set 1: Each shape is made up of three segments

Set 2: Each shape is made up of four segments

The given Fig 1 consists of three segments hence it belongs to Set 1

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A STANDALONE ARCHITECTURE COLLEGE IN CHENNAI OF INTERNATIONAL STANDARDS

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02. From her home, Prema wishes to go to school. From home, she goes towards North and then turns left and then turns right, and finally she turns left and reaches school. In which direction her school is situated with respect to her home?

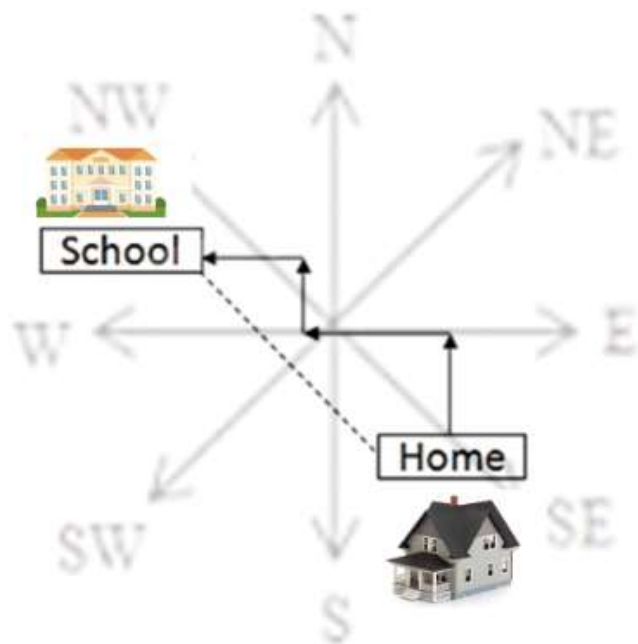
A. North-East

B. North - West

C. South east

D. South west

Theory



It is clear from the diagram that school is in North-west direction with respect to home

Answer key

B. North-West

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03. The following statement is a situation that you find yourself in. You will have to read all the four responses to the situation given and judge which would be the best course of action. The selected option is the answer.

You are looking for admission in a college for the architecture course. Which of the following questions is most important to you?

- A. You will ask about the facilities available and the fee details for the same.
- B. You will ask for information regarding exchange programmes with international colleges.
- C. You will enquire about the opportunities for job placement.
- D. All of the above are equally important.

| | |
|---|---|
| A | B |
| C | D |

Answer key:

D. All of the above are equally important

Explanation:

Since all the information given in options A, B and C are relevant, Option D is the correct choice.

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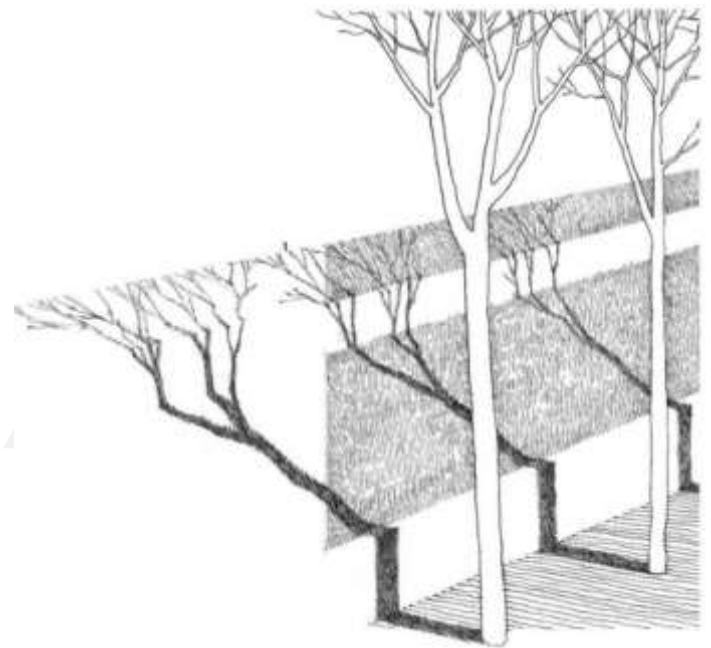


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04. Identify the surface where the shadows are cast?



| | |
|-------------------|-----------------------|
| A. Sloped surface | B. Stepped surface |
| C. Plain surface | D. None of the above. |

Answer key

B. Stepped surface

Theory

The shadow cast by the object will reveal the surfaces upon which they are cast. In the above image shadows cast are in the form of steps, which reveals that they fall on the stepped surface.

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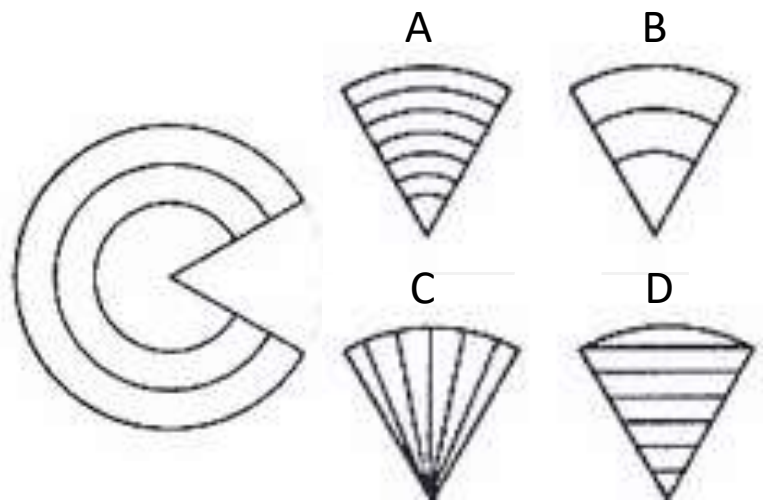
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05. Find the missing part



A. Option A

B. Option B

C. Option C

D. Option D

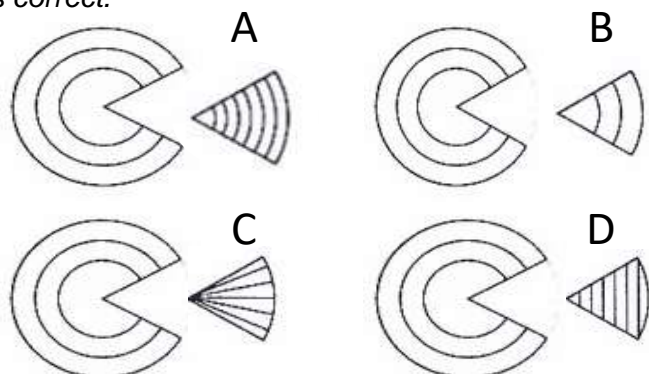
Answer key

B.



Theory

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



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06. Name the Indian Artist behind this Painting?



A. Ravi Verma

B. S.H.Raza

C. M.F.Hussain

D. R.K.Lakshman

Answer key

A. Ravi Verma

Theory

Ravi Verma was one of the first Indian artists to use oil paints and to master the art of lithographic reproduction of his work. In addition to incidents in Hindu mythology, Varma painted many portraits of both Indians and British in India.

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07. Identify the building which follows asymmetrical balance as the design principle.

A. Lotus temple, India.



B. Parthenon, Greece



C. Heydar Aliyev Centre, Azerbaijan



D. Taj Mahal, India



Answer key

C. Heydar Aliyev Centre, Azerbaijan



Theory:

ASYMMETRY

Asymmetrical or Informal balance parts of the design are not identical but are equal in visual weight on opposite sides of dividing plane or about a centre axis

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08. _____ roofs are preferred in areas having heavy rainfall.

A. Pitched roof

B. Flat roof

C. Terraced roof

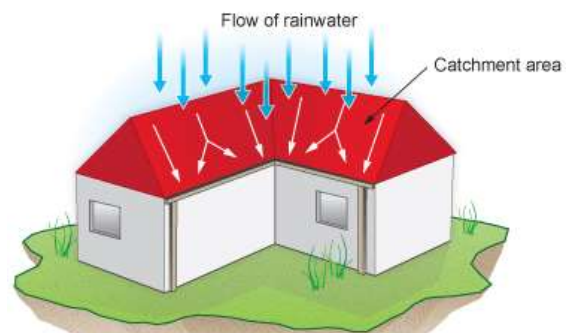
D. Madras terrace roof

Answer key

C. Pitched roof

Theory

Pitched roofs have a sloping top surface which allows the rain or snow to slide off. Since the rain water drains away quickly from the sloping roof helps in increasing their life span. A steep-slope roof creates attic space which can be used as a storage space.



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