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| <b>Question Paper Name :</b> | B PLANNING AND B ARCH EP 23rd Feb 2021<br>Shift 2 |
| <b>Subject Name :</b>        | B PLANNING AND B ARCH EP                          |
| <b>Creation Date :</b>       | 2021-02-22 14:21:56                               |
| <b>Duration :</b>            | 210   |
| <b>Number of Questions :</b> | 107   |
| <b>Total Marks :</b>         | 500   |
| <b>Display Marks:</b>        | Yes   |

## **B PLANNING AND B ARCH EP**

|                                      |           |
|--------------------------------------|-----------|
| <b>Group Number :</b>                | 1         |
| <b>Group Id :</b>                    | 708191142 |
| <b>Group Maximum Duration :</b>      | 0         |
| <b>Group Minimum Duration :</b>      | 210       |
| <b>Show Attended Group? :</b>        | No        |
| <b>Edit Attended Group? :</b>        | No        |
| <b>Break time :</b>                  | 0         |
| <b>Group Marks :</b>                 | 500       |
| <b>Is this Group for Examiner? :</b> | No        |

## **Mathematics Section A**

|                         |           |
|-------------------------|-----------|
| <b>Section Id :</b>     | 708191458 |
| <b>Section Number :</b> | 1         |
| <b>Section type :</b>   | Online    |

|  |           |
|--|-----------|
| <b>Mandatory or Optional :</b>               | Mandatory |
| <b>Number of Questions :</b>                 | 20        |
| <b>Number of Questions to be attempted :</b> | 20        |
| <b>Section Marks :</b>                       | 80        |
| <b>Mark As Answered Required? :</b>          | Yes       |
| <b>Sub-Section Number :</b>                  | 1         |
| <b>Sub-Section Id :</b>                      | 708191738 |
| <b>Question Shuffling Allowed :</b>          | Yes       |

**Question Number : 1 Question Id : 70819113214 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The value of the integral  $\int_{-4}^4 |9-x^2| dx$  is :

**Options :**

70819143611.  $\frac{121}{3}$

70819143612.  $\frac{122}{3}$

70819143613.  $\frac{125}{3}$

70819143614.  $\frac{128}{3}$

**Question Number : 1 Question Id : 70819113214 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਇਨਟੀਗਰਲ  $\int_{-4}^4 |9-x^2| dx$  ਦਾ ਮੁੱਲ ਹੈ :

**Options :**

70819143611.  $\frac{121}{3}$

70819143612.  $\frac{122}{3}$

70819143613.  $\frac{125}{3}$

70819143614.  $\frac{128}{3}$

**Question Number : 2 Question Id : 70819113215 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The sum of infinite number of terms of a Geometric Progression is 3 and the sum of the squares of its terms is  $\frac{9}{2}$ . The sum of the cubes of its terms is :

**Options :**

70819143615.  $\frac{31}{13}$

70819143616.  $\frac{108}{13}$

70819143617.  $\frac{27}{2}$

70819143618.  $\frac{54}{7}$

**Question Number : 2 Question Id : 70819113215 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਜਿਮਾਇਤੀ ਲੜੀ ਦੇ ਅਸਿਮਤ ਪਦਾਂ ਦਾ ਜੋੜ 3 ਹੈ ਅਤੇ ਇਸਦੇ ਪਦਾਂ ਦੇ ਵਰਗਾਂ ਦਾ ਜੋੜ  $\frac{9}{2}$  ਹੈ। ਪਦਾਂ ਦੇ ਘਣਾਂ ਦਾ ਜੋੜ ਹੋਵੇਗਾ :

**Options :**

70819143615.  $\frac{31}{13}$

70819143616.  $\frac{108}{13}$

70819143617.  $\frac{27}{2}$

70819143618.  $\frac{54}{7}$

**Question Number : 3 Question Id : 70819113216 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following Boolean expression is a tautology ?

**Options :**

70819143619.  $P \Leftrightarrow P \vee Q$

70819143620.  $(P \wedge Q) \Leftrightarrow P$

70819143621.  $(P \wedge (\sim P \vee Q)) \vee (\sim Q)$

70819143622.  $(P \vee \sim P) \wedge (Q \vee (\sim Q))$

Question Number : 3 Question Id : 70819113216 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ਹੇਠਾਂ ਲਿਖੇ ਬੁਲੀਅਨ ਸਮੀਕਰਨ ਵਿਚੋਂ ਕਿਹੜਾ ਪੁਨਰ ਉਕਤੀ ਟਾਉਟਾਲੋਜੀ ਹੈ ?

Options :

70819143619.  $P \Leftrightarrow P \vee q$

70819143620.  $(P \wedge q) \Leftrightarrow P$

70819143621.  $(P \wedge (\sim P \vee q)) \vee (\sim q)$

70819143622.  $(P \vee \sim P) \wedge (q \vee (\sim q))$

Question Number : 4 Question Id : 70819113217 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Let  $|a| < 1, |b| < 1, |c| < 1$  and  $x = \sum_{n=0}^{\infty} a^n, y = \sum_{n=0}^{\infty} b^n, z = \sum_{n=0}^{\infty} c^n$ . If  $\frac{1}{x}, \frac{1}{y}, \frac{1}{z}$  are in Arithmetic

Progression, then :

Options :

70819143623. a, b and c are in Arithmetic Progression

70819143624. a, b and c are in Geometric Progression

70819143625. a, 2b and c are in Arithmetic Progression

70819143626. a, b and c satisfy  $2b^2 = ac$

Question Number : 4 Question Id : 70819113217 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ਮੰਨ ਲਓ  $|a| < 1, |b| < 1, |c| < 1$  ਅਤੇ  $x = \sum_{n=0}^{\infty} a^n, y = \sum_{n=0}^{\infty} b^n, z = \sum_{n=0}^{\infty} c^n$ . ਜੇਕਰ  $\frac{1}{x}, \frac{1}{y}, \frac{1}{z}$  ਅੰਕਗਣਿਤਿਕ ਲੜੀ ਵਿੱਚ

ਹਨ, ਤੱਦ :

Options :

70819143623. a, b ਅਤੇ c ਅੰਕਗਣਿਤਿਕ ਲੜੀ ਵਿੱਚ ਹਨ।

70819143624. a, b ਅਤੇ c ਜਿਮਾਇਤੀ ਲੜੀ ਵਿੱਚ ਹਨ।

70819143625. a, 2b ਅਤੇ c ਅੰਕਗਣਿਤਿਕ ਲੜੀ ਵਿੱਚ ਹਨ।

70819143626. a, b ਅਤੇ c,  $2b^2 = ac$  ਨੂੰ ਸੰਤੁਸ਼ਟ ਕਰਦੇ ਹਨ।

Question Number : 5 Question Id : 70819113218 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$\sum_{n=1}^{\infty} \frac{2n^2 + 7n + 5}{n!}$  is equal to :

Options :

70819143627.  $15e + 5$

70819143628.  $15e - 5$

70819143629.  $16e - 5$

70819143630.  $16e - 7$

Question Number : 5 Question Id : 70819113218 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$$\sum_{n=1}^{\infty} \frac{2n^2 + 7n + 5}{n!} \text{ ਬਰਾਬਰ ਹੈ :}$$

Options :

70819143627.  $15e + 5$

70819143628.  $15e - 5$

70819143629.  $16e - 5$

70819143630.  $16e - 7$

Question Number : 6 Question Id : 70819113219 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The least positive integral value of  $\lambda$  such that  $10^{50} + (3 \times (4)^{52}) + \lambda$  is divisible by 9 is :

Options :

70819143631. 5

70819143632. 3

70819143633. 7

70819143634. 1

Question Number : 6 Question Id : 70819113219 Question Type : MCQ Option Shuffling : Yes Is

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

$\lambda$  ਦਾ ਨਿਊਨਤਮ ਥਨਾਤਮਕ ਪੂਰਨ ਅੰਕ ਮੁੱਲ, ਜਦਕਿ  $10^{50} + (3 \times (4)^{52}) + \lambda$ , 9 ਤੇ ਵੰਡਿਆ ਜਾਵੇ ਹੈ :

**Options :**

70819143631. 5

70819143632. 3

70819143633. 7

70819143634. 1

**Question Number : 7 Question Id : 70819113220 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

There are 4, 5 and 6 points on the three parallel and co-planar lines. If no set of four or more points is cyclic and no set of three points lying on distinct lines is collinear, then the number of circles passing through exactly three points is :

**Options :**

70819143635. 455

70819143636. 421

70819143637. 435

70819143638. 441

**Question Number : 7 Question Id : 70819113220 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



ਤਿੰਨ ਸਮਾਂਤਰ ਅਤੇ ਸਮਤਲੀ ਰੇਖਾਵਾਂ ਉਪਰ 4, 5 ਅਤੇ 6 ਬਿੰਦੂ ਹਨ । ਜੇਕਰ ਚਾਰ ਜਾਂ ਇੱਕ ਤੋਂ ਵੱਧ ਬਿੰਦੂਆਂ ਦਾ ਕੋਈ ਵੀ ਸਮੂਹ ਇੱਕ ਚੱਕਰ ਉੱਤੇ ਨਹੀਂ ਹੈ ਅਤੇ ਉਹਨਾਂ ਤਿੰਨ ਬਿੰਦੂਆਂ ਦਾ ਕੋਈ ਵੀ ਸਮੂਹ ਜੋ ਕਿ ਵੱਖ-ਵੱਖ ਰੇਖਾਵਾਂ ਤੇ ਹਨ, ਸਮਰੇਖੀ ਨਹੀਂ ਹੈ । ਤੱਦ ਉਹਨਾਂ ਚੱਕਰਾਂ ਦੀ ਗਿਣਤੀ ਜੋ ਕਿ ਸਿਰਫ਼ ਤਿੰਨ ਬਿੰਦੂਆਂ ਵਿੱਚੋਂ ਲੰਘਦੇ ਹਨ :

**Options :**

70819143635. 455

70819143636. 421

70819143637. 435

70819143638. 441

**Question Number : 8 Question Id : 70819113221 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

If  $y = \frac{ax - b}{(x - 1)(x - 4)}$  has an extremum at the point  $(2, -1)$ , then the values of a and b are :

**Options :**

70819143639.  $a = 1, b = 0$

70819143640.  $a = 0, b = 1$

70819143641.  $a = 0, b = -1$

70819143642.  $a = -1, b = 1$

**Question Number : 8 Question Id : 70819113221 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਜੇਕਰ  $y = \frac{ax - b}{(x-1)(x-4)}$  ਕੋਲ ਬਿੰਦੂ  $(2, -1)$  ਇੱਕ ਸੀਮਾਂਤ ਹੈ ਤੱਦ  $a$  ਅਤੇ  $b$  ਦੇ ਮੁੱਲ ਹਨ :

**Options :**

70819143639.  $a = 1, b = 0$

70819143640.  $a = 0, b = 1$

70819143641.  $a = 0, b = -1$

70819143642.  $a = -1, b = 1$

**Question Number : 9 Question Id : 70819113222 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The distance between the planes  $\vec{r} \cdot (2\hat{i} + \hat{j} - 2\hat{k}) + 5 = 0$  and  $\vec{r} \cdot (6\hat{i} + 3\hat{j} - 6\hat{k}) + 2 = 0$  is :

**Options :**

70819143643.  $\frac{9}{13}$

70819143644.  $\frac{15}{4}$

70819143645.  $\frac{13}{9}$

70819143646.  $\frac{1}{13}$

**Question Number : 9 Question Id : 70819113222 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਤਲ  $\vec{r} \cdot (2\hat{i} + \hat{j} - 2\hat{k}) + 5 = 0$  ਅਤੇ  $\vec{r} \cdot (6\hat{i} + 3\hat{j} - 6\hat{k}) + 2 = 0$  ਵਿਚਕਾਰ ਦੂਰੀ ਹੈ :

**Options :**

70819143643.  $\frac{9}{13}$

70819143644.  $\frac{15}{4}$

70819143645.  $\frac{13}{9}$

70819143646.  $\frac{1}{13}$

**Question Number : 10 Question Id : 70819113223 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The probability of solving a problem in Mathematics by two students X and Y are  $\frac{1}{4}$  and  $\frac{1}{5}$  respectively. If both of them try to solve the problem independently, then the probability that the problem will be solved by exactly one of them is equal to :

**Options :**

70819143647.  $\frac{7}{20}$

70819143648.  $\frac{1}{20}$

70819143649.  $\frac{19}{20}$

70819143650.

Question Number : 10 Question Id : 70819113223 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ਦੇ ਵਿਦਿਆਰਥੀਆਂ X ਅਤੇ Y ਵਲੋਂ ਗਣਿਤ ਦੀ ਇੱਕ ਸਮਸਿਆ ਨੂੰ ਹੱਲ ਕਰਨ ਦੀ ਸੰਭਾਵਨਾ ਕ੍ਰਮਵਾਰ  $\frac{1}{4}$  ਅਤੇ  $\frac{1}{5}$  ਹੈ। ਜੇ ਦੋਵੇਂ ਸਮਸਿਆ ਨੂੰ ਆਪਣੇ-ਆਪਣੇ ਢੰਗ ਨਾਲ ਹੱਲ ਕਰਨ ਦੀ ਕੋਸ਼ਿਸ ਕਰਨ ਤਾਂ ਦੋਹਾਂ ਵਿੱਚੋਂ ਸਿਰਫ਼ ਇੱਕ ਵਿਦਿਆਰਥੀ ਵਲੋਂ ਹਲ ਲੱਭਣ ਦੀ ਸੰਭਾਵਨਾ ਬਰਾਬਰ ਹੈ :

Options :

70819143647.  $\frac{7}{20}$

70819143648.  $\frac{1}{20}$

70819143649.  $\frac{19}{20}$

70819143650.  $\frac{12}{20}$

Question Number : 11 Question Id : 70819113224 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The polar form of the complex number  $\frac{1+i}{1-i}$  is equal to :

Options :

70819143651.  $\cos \frac{\pi}{2} + i \sin \frac{\pi}{2}$

70819143652.  $\cos \frac{\pi}{2} - i \sin \frac{\pi}{2}$

70819143653.  $\cos \frac{\pi}{4} + i \sin \frac{\pi}{4}$

70819143654.  $\cos \frac{\pi}{4} - i \sin \frac{\pi}{4}$

**Question Number : 11 Question Id : 70819113224 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਮਿਸ਼ਰਿਤ ਸੰਖਿਆ  $\frac{1+i}{1-i}$  ਦਾ ਧਰੁਵੀ ਨਿਰੂਪਣ ਬਰਾਬਰ ਹੈ :

**Options :**

70819143651.  $\cos \frac{\pi}{2} + i \sin \frac{\pi}{2}$

70819143652.  $\cos \frac{\pi}{2} - i \sin \frac{\pi}{2}$

70819143653.  $\cos \frac{\pi}{4} + i \sin \frac{\pi}{4}$

70819143654.  $\cos \frac{\pi}{4} - i \sin \frac{\pi}{4}$

**Question Number : 12 Question Id : 70819113225 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

If the equation of a line which divides the line segment joining the points (1, 0) and (3, 0) in the ratio 2 : 1 and is also perpendicular to it, is  $ax=7$ , then the value of a is equal to :

**Options :**

70819143655. 2

70819143656. 3

70819143657. 4

70819143658. 1

**Question Number : 12 Question Id : 70819113225 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਜੇਕਰ ਇੱਕ ਰੇਖਾ ਜੋ ਕਿ ਬਿੰਦੂ  $(1, 0)$  ਅਤੇ  $(3, 0)$  ਨੂੰ ਮਿਲਾ ਕੇ ਬਣੇ ਰੇਖਾਖੰਡ ਨੂੰ  $2:1$  ਅਨੁਪਾਤ ਵਿੱਚ ਵੰਡਦੀ ਹੈ ਅਤੇ ਇਸ ਉੱਪਰ ਲੰਬ ਵੀ ਹੈ, ਉਸਦੀ ਸਮੀਕਰਨ  $ax = 7$  ਹੈ। ਤੱਦ 'a' ਮੁੱਲ ਬਰਾਬਰ ਹੈ :

**Options :**

70819143655. 2

70819143656. 3

70819143657. 4

70819143658. 1

**Question Number : 13 Question Id : 70819113226 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Equation of the circle, which is the mirror image of the circle  $x^2 + y^2 - 2x = 0$  with respect to the line  $x + y = 2$ , is :

**Options :**

70819143659.  $x^2 + y^2 - 2x + 4y + 3 = 0$

70819143660.  $x^2 + y^2 - 4x - 2y + 4 = 0$

70819143661.  $2(x^2 + y^2) - x + y + 1 = 0$

70819143662.  $x^2 + y^2 - 2x - 4y + 3 = 0$

**Question Number : 13 Question Id : 70819113226 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਚੱਕਰ, ਜੋ ਕਿ ਰੇਖਾ  $x + y = 2$  ਤੋਂ ਚੱਕਰ  $x^2 + y^2 - 2x = 0$  ਦਾ ਦਰਪਣ ਪ੍ਰਤਿਬਿੰਬ ਹੈ, ਦਾ ਸਮੀਕਰਨ ਹੈ :

**Options :**

70819143659.  $x^2 + y^2 - 2x + 4y + 3 = 0$

70819143660.  $x^2 + y^2 - 4x - 2y + 4 = 0$

70819143661.  $2(x^2 + y^2) - x + y + 1 = 0$

70819143662.  $x^2 + y^2 - 2x - 4y + 3 = 0$

**Question Number : 14 Question Id : 70819113227 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Equations of the common tangent of the ellipse  $\frac{(x+1)^2}{2^2} + \frac{(y-1)^2}{3^2} = 1$  and the circle

$(x+1)^2 + (y-1)^2 = 4$  are :

**Options :**

70819143663.  $y+3=0$  and  $x-1=0$

70819143664.  $x-3=0$  and  $y+1=0$

70819143665.  $x+3=0$  and  $x-1=0$

70819143666.  $y+3=0$  and  $y-1=0$

**Question Number : 14 Question Id : 70819113227 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਇਲਿਪਸ  $\frac{(x+1)^2}{2^2} + \frac{(y-1)^2}{3^2} = 1$  ਅਤੇ ਚੱਕਰ  $(x+1)^2 + (y-1)^2 = 4$  ਦੀਆਂ ਸਾਂਝੀਆਂ ਸਪੱਰਸ਼ ਰੇਖਾਵਾਂ ਦੇ ਸਮੀਕਰਨ

ਹਨ ।

**Options :**

70819143663.  $y+3=0$  ਅਤੇ  $x-1=0$

70819143664.  $x-3=0$  ਅਤੇ  $y+1=0$

70819143665.  $x+3=0$  ਅਤੇ  $x-1=0$

70819143666.  $y+3=0$  ਅਤੇ  $y-1=0$

**Question Number : 15 Question Id : 70819113228 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

If  $A = \begin{bmatrix} 1 & a \\ 0 & 1 \end{bmatrix}$ , then  $A^k$  ( $k \in \mathbb{N}$ ) is :

**Options :**



70819143667.  $\begin{bmatrix} 1 & ka \\ 0 & 1 \end{bmatrix}$

70819143668.  $\begin{bmatrix} 1 & k^2a \\ 0 & 1 \end{bmatrix}$

70819143669.  $\begin{bmatrix} k & ka \\ 0 & k \end{bmatrix}$

70819143670.  $\begin{bmatrix} 1 & ka \\ 0 & 0 \end{bmatrix}$

**Question Number : 15 Question Id : 70819113228 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਜੇਕਰ  $A = \begin{bmatrix} 1 & a \\ 0 & 1 \end{bmatrix}$  ਤਾਂ  $A^k$  ( $k \in \mathbb{N}$ ) ਹੈ :

**Options :**

70819143667.  $\begin{bmatrix} 1 & ka \\ 0 & 1 \end{bmatrix}$

70819143668.  $\begin{bmatrix} 1 & k^2a \\ 0 & 1 \end{bmatrix}$

70819143669.  $\begin{bmatrix} k & ka \\ 0 & k \end{bmatrix}$

70819143670.  $\begin{bmatrix} 1 & ka \\ 0 & 0 \end{bmatrix}$

Question Number : 16 Question Id : 70819113229 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The values of  $s$  and  $t$ , for which the system of equations

$$x_1 + x_2 + x_3 = 5$$

$$x_1 + 2x_2 + 3x_3 = 9$$

$$x_1 + 3x_2 + sx_3 = t$$

has no solution, are :

Options :

70819143671.  $s=5, t=13$

70819143672.  $s \neq 5$

70819143673.  $s=5, t \neq 13$

70819143674.  $t \neq 13$

Question Number : 16 Question Id : 70819113229 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$s$  ਅਤੇ  $t$  ਦੇ ਮੁੱਲ, ਜਿਨ੍ਹਾਂ ਲਈ ਸਮੀਕਰਨ ਪ੍ਰਣਾਲੀ

$$x_1 + x_2 + x_3 = 5$$

$$x_1 + 2x_2 + 3x_3 = 9$$

$$x_1 + 3x_2 + sx_3 = t$$

ਕੋਲ ਕੋਈ ਹੱਲ ਨਹੀਂ ਹੈ :

Options :

70819143671.  $s=5, t=13$

70819143672.  $s \neq 5$

70819143673.  $s=5, t \neq 13$

70819143674.  $t \neq 13$

**Question Number : 17 Question Id : 70819113230 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Derivative of  $\tan^{-1}\left(\frac{2x}{1-x^2}\right)$  with respect to  $\sin^{-1}\left(\frac{2x}{1+x^2}\right)$  in  $(1, \infty)$ , is :

**Options :**

70819143675. 1

70819143676. -1

70819143677. 0

70819143678. 2

**Question Number : 17 Question Id : 70819113230 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

$\sin^{-1}\left(\frac{2x}{1+x^2}\right)$  ਦੇ ਬਾਬਤ  $\tan^{-1}\left(\frac{2x}{1-x^2}\right)$  ਦਾ ਡਿਫਰੈਨਸੀਏਸ਼ਨ  $(1, \infty)$  ਅੰਤਰਾਲ ਵਿੱਚ ਹੈ :

**Options :**

70819143675. 1

70819143676. -1

70819143677. 0

70819143678. <sup>2</sup>

Question Number : 18 Question Id : 70819113231 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Let  $\vec{a}$ ,  $\vec{b}$  and  $\vec{c}$  be three vectors such that  $|\vec{a}| = |\vec{b}| = \frac{|\vec{c}|}{2} = 1$ . If  $\vec{a} \times (\vec{a} \times \vec{c}) + \vec{b} = \vec{0}$ , then

the acute angle between  $\vec{a}$  and  $\vec{c}$  is:

Options :

70819143679.  $\frac{\pi}{6}$

70819143680.  $\frac{\pi}{4}$

70819143681.  $\frac{\pi}{3}$

70819143682.  $\frac{5\pi}{12}$

Question Number : 18 Question Id : 70819113231 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ਮੰਨ ਲਓ ਤਿੰਨ ਵੈਕਟਰ  $\vec{a}$ ,  $\vec{b}$  ਅਤੇ  $\vec{c}$  ਇਸ ਤਰ੍ਹਾਂ ਹਨ ਕਿ  $|\vec{a}| = |\vec{b}| = \frac{|\vec{c}|}{2} = 1$ . ਜੇਕਰ  $\vec{a} \times (\vec{a} \times \vec{c}) + \vec{b} = \vec{0}$ , ਤਾਂ

$\vec{a}$  ਅਤੇ  $\vec{c}$  ਵਿੱਚਕਾਰ ਨਿਊਨ ਕੋਣ ਹੈ :

Options :

70819143679.

$$\frac{\pi}{6}$$

70819143680.  $\frac{\pi}{4}$

70819143681.  $\frac{\pi}{3}$

70819143682.  $\frac{5\pi}{12}$

**Question Number : 19 Question Id : 70819113232 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Solution of the differential equation  $(1 + y^2)dx = (\tan^{-1}y - x)dy$  is :  
(where c is an arbitrary constant)

**Options :**

70819143683.  $x = 1 - \tan^{-1}y + ce^{-\tan^{-1}y}$

70819143684.  $y = \tan^{-1}y - 1 + ce^{-\tan^{-1}x}$

70819143685.  $x = \tan^{-1}y - 1 + ce^{-\tan^{-1}y}$

70819143686.  $x = -\tan^{-1}y - 1 - ce^{\tan^{-1}x}$

**Question Number : 19 Question Id : 70819113232 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਡਿਫਰੈਂਸ਼ਿਅਲ ਸਮੀਕਰਨ  $(1+y^2)dx = (\tan^{-1}y - x)dy$  ਦਾ ਹੱਲ ਹੈ :

(ਇੱਥੇ  $c$  ਕੋਈ ਵੀ ਅੱਚਲ ਹੈ)

**Options :**

70819143683.  $x = 1 - \tan^{-1}y + ce^{-\tan^{-1}y}$

70819143684.  $y = \tan^{-1}y - 1 + ce^{-\tan^{-1}x}$

70819143685.  $x = \tan^{-1}y - 1 + ce^{-\tan^{-1}y}$

70819143686.  $x = -\tan^{-1}y - 1 - ce^{\tan^{-1}x}$

**Question Number : 20 Question Id : 70819113233 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The values of  $x$ , for which the vectors  $\vec{a} = (x^2 - 16)\hat{i} + 4\hat{j} - (x^2 - 25)\hat{k}$  make acute angles with the (positive directions of) coordinate axes lie in :

**Options :**

70819143687.  $[-5, -4] \cup [4, 5]$

70819143688.  $[-5, 4) \cup (-4, 5]$

70819143689.  $(-5, -4) \cup (4, 5)$

70819143690.  $(-5, 4) \cup (-4, 5)$

**Question Number : 20 Question Id : 70819113233 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਜੇਕਰ ਵੈਕਟਰ  $\vec{a} = (x^2 - 16)\hat{i} + 4\hat{j} - (x^2 - 25)\hat{k}$  ਪੁਰਿਆਂ ਦੀਆਂ ਧਨਾਤਮਕ ਦਿਸ਼ਾਵਾਂ ਨਾਲ ਨਿਰੂਨ ਕੋਣ ਬਣਾਉਂਦਾ ਹੈ, ਤੱਦ  $x$  ਦਾ ਮੁੱਲ ਕਿੱਸ ਵਿੱਚ ਹੋਵੇਗਾ :

**Options :**

70819143687.  $[-5, -4] \cup [4, 5]$

70819143688.  $[-5, 4] \cup (-4, 5]$

70819143689.  $(-5, -4) \cup (4, 5)$

70819143690.  $(-5, 4) \cup (-4, 5)$

## Mathematics Section B

|  |           |
|--|-----------|
| <b>Section Id :</b>                          | 708191459 |
| <b>Section Number :</b>                      | 2         |
| <b>Section type :</b>                        | Online    |
| <b>Mandatory or Optional :</b>               | Mandatory |
| <b>Number of Questions :</b>                 | 10        |
| <b>Number of Questions to be attempted :</b> | 5         |
| <b>Section Marks :</b>                       | 20        |
| <b>Mark As Answered Required? :</b>          | Yes       |
| <b>Sub-Section Number :</b>                  | 1         |
| <b>Sub-Section Id :</b>                      | 708191739 |
| <b>Question Shuffling Allowed :</b>          | Yes       |

**Question Number : 21 Question Id : 70819113234 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

$$\int_0^{\pi} \sqrt{\frac{1 + \cos 2x}{2}} dx \text{ is } \underline{\hspace{2cm}}.$$

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number :** 21 **Question Id :** 70819113234 **Question Type :** SA

**Correct Marks :** 4 **Wrong Marks :** 0

$$\int_0^{\pi} \sqrt{\frac{1 + \cos 2x}{2}} dx \text{ ----- है ।}$$

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number :** 22 **Question Id :** 70819113235 **Question Type :** SA

**Correct Marks :** 4 **Wrong Marks :** 0

The minimum value of  $9\tan^2\theta + 4\cot^2\theta$  is \_\_\_\_\_.

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001



Question Number : 22 Question Id : 70819113235 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

$9\tan^2\theta + 4\cot^2\theta$  ਦਾ ਨਿਊਨਤਮ ਮੁੱਲ \_\_\_\_\_ ਹੈ ।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.001

Question Number : 23 Question Id : 70819113236 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

The length of the perpendicular from the point (1, 2, 3) to the line  $\frac{-x+6}{-3} = \frac{y-7}{2} = \frac{z-7}{-2}$  is \_\_\_\_\_.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.001

Question Number : 23 Question Id : 70819113236 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

ਬਿੰਦੂ (1, 2, 3) ਤੋਂ ਰੇਖਾ  $\frac{-x+6}{-3} = \frac{y-7}{2} = \frac{z-7}{-2}$  ਦੇ ਲੰਬ ਦੀ ਲੰਬਾਈ \_\_\_\_\_ ਹੈ ।

Response Type : Numeric

Evaluation Required For SA : Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number :** 24 **Question Id :** 70819113237 **Question Type :** SA

**Correct Marks :** 4 **Wrong Marks :** 0

If  $\log_3 2$ ,  $\log_3(2^x - 5)$  and  $\log_3\left(2^x - \frac{7}{2}\right)$  are in Arithmetic Progression, then the value of  $x$  is

\_\_\_\_\_.

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number :** 24 **Question Id :** 70819113237 **Question Type :** SA

**Correct Marks :** 4 **Wrong Marks :** 0

ਜੇਕਰ  $\log_3 2$ ,  $\log_3(2^x - 5)$  ਅਤੇ  $\log_3\left(2^x - \frac{7}{2}\right)$  ਅੰਕਗਣਿਤਿਕ ਲੜੀ ਵਿੱਚ ਹੋਣ, ਤਾਂ  $x$  ਦਾ ਮੁੱਲ \_\_\_\_\_

ਹੈ ।

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number : 25 Question Id : 70819113238 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

If  $x^2 + x + 1 = 0$ , then  $-\left\{\left(x - \frac{1}{x}\right)^2 + \left(x^2 - \frac{1}{x^2}\right)^2 + \left(x^3 - \frac{1}{x^3}\right)^2\right\}$  is \_\_\_\_\_.

**Response Type : Numeric**

**Evaluation Required For SA : Yes**

**Show Word Count : Yes**

**Answers Type : Range**

**Text Areas : PlainText**

**Possible Answers :**

5 to 5.001

**Question Number : 25 Question Id : 70819113238 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

ਜੇਕਰ  $x^2 + x + 1 = 0$ , ਤਾਂ  $-\left\{\left(x - \frac{1}{x}\right)^2 + \left(x^2 - \frac{1}{x^2}\right)^2 + \left(x^3 - \frac{1}{x^3}\right)^2\right\}$  \_\_\_\_\_ ਹੈ ।

**Response Type : Numeric**

**Evaluation Required For SA : Yes**

**Show Word Count : Yes**

**Answers Type : Range**

**Text Areas : PlainText**

**Possible Answers :**

5 to 5.001

**Question Number : 26 Question Id : 70819113239 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

$x^2 + y^2 - 4x - 2y - 11 = 0$  is a circle to which tangents are drawn from the point (4, 5) which form a quadrilateral with a pair of radii. The area of this quadrilateral in square units is \_\_\_\_\_.

**Response Type : Numeric**

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number :** 26 **Question Id :** 70819113239 **Question Type :** SA

**Correct Marks :** 4 **Wrong Marks :** 0

ਬਿੰਦੂ  $(4, 5)$  ਤੋਂ ਚੱਕਰ  $x^2 + y^2 - 4x - 2y - 11 = 0$  ਉਤੇ ਸਪੱਰਸ਼ ਰੇਖਾਵਾਂ ਖਿੱਚੀਆਂ ਗਈਆਂ ਹਨ ਜੋ ਕਿ ਅਰਧ ਵਿਆਸ ਦੇ ਜੋੜੇ ਨਾਲ ਇੱਕ ਚਤੁਰਭੁੱਜ ਬਣਾਉਂਦੀਆਂ ਹਨ । ਤੱਦ ਚਤੁਰਭੁੱਜ ਦਾ ਖੇਤਰਫਲ (ਵਰਗ ਇਕਾਈਆਂ ਵਿੱਚ) \_\_\_\_\_ ਹੈ ।

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number :** 27 **Question Id :** 70819113240 **Question Type :** SA

**Correct Marks :** 4 **Wrong Marks :** 0

If the sum of mean and variance of a binomial distribution is 15 and the sum of their squares is 117, then the number of independent trials is equal to \_\_\_\_\_.

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number : 27 Question Id : 70819113240 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

ਜੇਕਰ ਦੋ ਪਦੀ ਵੰਡ ਦੇ ਮੱਧਮਾਨ ਅਤੇ ਪ੍ਰਸਰਨ ਦਾ ਜੋੜ 15 ਹੈ ਅਤੇ ਇਹਨਾਂ ਦੇ ਵਰਗਾਂ ਦਾ ਜੋੜ 117 ਹੈ । ਤੱਦ ਸੁਤੰਤਰ ਕੋਸ਼ਿਲਾ (ਟਰਾਇਲਾਂ) ਦੀ ਗਿਣਤੀ \_\_\_\_\_ ਹੈ ।

**Response Type : Numeric**

**Evaluation Required For SA : Yes**

**Show Word Count : Yes**

**Answers Type : Range**

**Text Areas : PlainText**

**Possible Answers :**

5 to 5.001

**Question Number : 28 Question Id : 70819113241 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

Let the equation of the plane passing through the points  $(1, 2, 6)$ ,  $(2, 5, 7)$  and perpendicular to the plane  $4x - y + z = 15$  be  $ax + by + cz + d = 0$ . If  $a, b, c, d \in \mathbb{Z}$  with  $\gcd(|a|, |b|, |c|) = 1$ , then  $|a + b + c + d|$  is equal to \_\_\_\_\_.

**Response Type : Numeric**

**Evaluation Required For SA : Yes**

**Show Word Count : Yes**

**Answers Type : Range**

**Text Areas : PlainText**

**Possible Answers :**

5 to 5.001

**Question Number : 28 Question Id : 70819113241 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

ਮੰਨ ਲਉ ਇੱਕ ਤਲ ਜਿਸਦਾ ਸਮੀਕਰਨ  $ax + by + cz + d = 0$  ਹੈ, ਜੋ ਕਿ ਬਿੰਦੂ  $(1, 2, 6)$ ,  $(2, 5, 7)$  ਵਿੱਚੋਂ ਲੰਘਦੀ ਹੈ ਅਤੇ ਤਲ  $4x - y + z = 15$  ਨੂੰ ਲੰਭ ਹੈ । ਜੇਕਰ  $a, b, c, d \in \mathbb{Z}$  ਨਾਲ ਮ.ਸ.ਵ  $(|a|, |b|, |c|) = 1$ , ਤੱਦ  $|a + b + c + d|$  ਬਰਾਬਰ \_\_\_\_\_ ਹੈ ।

**Response Type : Numeric**

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number :** 29 **Question Id :** 70819113242 **Question Type :** SA

**Correct Marks :** 4 **Wrong Marks :** 0

The number of real solutions in the interval  $\left[-\frac{3\pi}{2}, \frac{7\pi}{2}\right]$  of the equation  $4\sin^2x - 8\sin x + 3 = 0$  is \_\_\_\_\_.

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number :** 29 **Question Id :** 70819113242 **Question Type :** SA

**Correct Marks :** 4 **Wrong Marks :** 0

ਅੰਤਰਾਲ  $\left[-\frac{3\pi}{2}, \frac{7\pi}{2}\right]$  ਵਿੱਚ ਸਮੀਕਰਨ  $4\sin^2x - 8\sin x + 3 = 0$  ਦੇ ਵਾਸਤਵਿਕ ਹੱਲਾਂ ਦੀ ਗਿਣਤੀ \_\_\_\_\_ ਹੈ ।

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number : 30 Question Id : 70819113243 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

Let  $A_1, A_2, A_3, \dots$  be an increasing geometric progression. If  $\frac{1}{A_4} + \frac{1}{A_8} = \frac{10}{63}$  and  $A_5 A_7 = 441$ , then  $3(A_2 + A_4)$  is equal to \_\_\_\_\_.

**Response Type : Numeric**

**Evaluation Required For SA : Yes**

**Show Word Count : Yes**

**Answers Type : Range**

**Text Areas : PlainText**

**Possible Answers :**

5 to 5.001

**Question Number : 30 Question Id : 70819113243 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

ਮੰਨ ਲਓ  $A_1, A_2, A_3, \dots$  ਇੱਕ ਵੱਧਦੀ ਜਿਮਾਇਤੀ ਲੜੀ ਹੈ । ਜੇਕਰ  $\frac{1}{A_4} + \frac{1}{A_8} = \frac{10}{63}$  ਅਤੇ  $A_5 A_7 = 441$ , ਤਾਂ  $3(A_2 + A_4)$  ਬਰਾਬਰ \_\_\_\_\_ ਹੈ ।

**Response Type : Numeric**

**Evaluation Required For SA : Yes**

**Show Word Count : Yes**

**Answers Type : Range**

**Text Areas : PlainText**

**Possible Answers :**

5 to 5.001

**Section Id :** 708191460  
**Section Number :** 3  
**Section type :** Online  
**Mandatory or Optional :** Mandatory  
**Number of Questions :** 50  
**Number of Questions to be attempted :** 50  
**Section Marks :** 200  
**Mark As Answered Required? :** Yes  
**Sub-Section Number :** 1  
**Sub-Section Id :** 708191740  
**Question Shuffling Allowed :** Yes

**Question Number : 31 Question Id : 70819113244 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which among the following is the full form of the 'UNESCO' ?

**Options :**

70819143701. United Nations Educational, Scientific & Cultural Organization.

70819143702. United Nations Educational Security Cultural Organization.

70819143703. United Nations Entrance Site Calling Organization.

70819143704. United Nations Educational, Sustainable & Cultural Organization.

**Question Number : 31 Question Id : 70819113244 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਹੇਠ ਦਿੱਤੇ ਵਿੱਚੋਂ ਕਿਹੜਾ 'UNESCO' (ਯੂਨੈਸਕੋ) ਦਾ ਪੂਰਾ ਫਾਰਮ (Full form) ਕੀ ਹੈ।



**Options :**

70819143701. ਯੂਨਾਈਟਿਡ ਨੇਸ਼ਨਜ਼ ਐਜੂਕੇਸ਼ਨਲ, ਸਾਇੰਟਿਫਿਕ (scientific) ਅਤੇ ਕਲਚਰਲ ਆਰਗੇਨਾਈਜ਼ੇਸ਼ਨ

70819143702. ਯੂਨਾਈਟਿਡ ਨੇਸ਼ਨਜ਼ ਐਜੂਕੇਸ਼ਨਲ ਸੇਕਿਊਰਿਟੀ ਕਲਚਰਲ ਆਰਗੇਨਾਈਜ਼ੇਸ਼ਨ

70819143703. ਯੂਨਾਈਟਿਡ ਨੇਸ਼ਨਜ਼ ਏਨਟਰੈਸ ਸਾਈਟ ਕਾਲਿੰਗ ਆਰਗੇਨਾਈਜ਼ੇਸ਼ਨ

70819143704. ਯੂਨਾਈਟਿਡ ਨੇਸ਼ਨਜ਼ ਐਜੂਕੇਸ਼ਨਲ ਸਸਟੇਨੇਬਲ ਅਤੇ ਕਲਚਰਲ ਆਰਗੇਨਾਈਜ਼ੇਸ਼ਨ

**Question Number : 32 Question Id : 70819113245 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match List - I with List - II.

List - I

List - II

(I) Hall of Nation

(a)



(II) Falling Water, Pennsylvania

(b)



(III) Petronas Tower

(c)



(IV) Secretariat

(d)



**Options :**

70819143705. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

70819143706. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819143707. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819143708. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

Question Number : 32 Question Id : 70819113245 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ਸੂਚੀ I ਨੂੰ ਸੂਚੀ II ਨਾਲ ਮਿਲਾਣ ਕਰੋ।

ਸੂਚੀ - I

ਸੂਚੀ - II

(I) ਹਾਲ ਆਫ ਨੇਸ਼ਨ

(a)



(II) ਫਾਲਿੰਗ ਵਾਟਰ, ਪੈਨਸੇਲਵੇਨੀਆ

(b)



(III) ਪੈਟ੍ਰੋਨਾਸ ਟਾਵਰ

(c)



(IV) ਸੱਤਕਰੇਤ

(d)



Options :

70819143705. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

70819143706. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819143707. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819143708. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

**Question Number : 33 Question Id : 70819113246 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match List - I with List - II.

| List - I             | List - II                  |
|----------------------|----------------------------|
| (I) Kamru            | (a) Victoria Memorial Hall |
| (II) Delhi           | (b) Badrinath Temple       |
| (III) Fatehpur Sikri | (c) Khirki Masjid          |
| (IV) Kolkata         | (d) Buland Darwaja         |

**Options :**

70819143709. (I)-(b), (II)-(c), (III)-(d), (IV)-(a)

70819143710. (I)-(b), (II)-(d), (III)-(c), (IV)-(a)

70819143711. (I)-(c), (II)-(a), (III)-(b), (IV)-(d)

70819143712. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

**Question Number : 33 Question Id : 70819113246 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਸੂਚੀ I ਨੂੰ ਸੂਚੀ II ਨਾਲ ਮਿਲਾਣ ਕਰੋ।

ਸੂਚੀ - I

ਸੂਚੀ - II

- |                     |                           |
|---------------------|---------------------------|
| (I) ਕਾਮਰੂ           | (a) ਵਿਕਟੋਰੀਆ ਮੈਮੋਰੀਅਲ ਹਾਲ |
| (II) ਦਿੱਲੀ          | (b) ਬਦਰੀਨਾਥ ਮੰਦਿਰ         |
| (III) ਫਤਿਹਪੁਰ ਸੀਕਰੀ | (c) ਖਿਰਕੀ ਮਸਜਿਦ           |
| (IV) ਕੋਲਕਤਾ         | (d) ਬੁਲੰਦ ਦਰਵਾਜ਼ਾ         |

**Options :**

70819143709. (I)-(b), (II)-(c), (III)-(d), (IV)-(a)

70819143710. (I)-(b), (II)-(d), (III)-(c), (IV)-(a)

70819143711. (I)-(c), (II)-(a), (III)-(b), (IV)-(d)

70819143712. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

**Question Number : 34 Question Id : 70819113247 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match List - I with List - II.

List - I

List - II

(I) Agra fort

(a)



(II) Atala Masjid

(b)



(III) Nalanda University

(c)



(IV) Jagannatha Temple

(d)



Options :

70819143713. (I)-(b), (II)-(c), (III)-(a), (IV)-(d)

70819143714. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819143715. (I)-(c), (II)-(a), (III)-(d), (IV)-(b)

70819143716. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

Question Number : 34 Question Id : 70819113247 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ਸੁਚੀ I ਨੂੰ ਸੁਚੀ II ਨਾਲ ਮਿਲਾਣ ਕਰੋ।

ਸੁਚੀ - I

ਸੁਚੀ - II

(I) ਆਗਰਾ ਕਿਲ੍ਹਾ

(a)



(II) ਅਟਾਲਾ ਮਸਜਿਦ

(b)



(III) ਨਲੰਦਾ ਵਿਸ਼ਵ ਵਿਦਿਆਲਯ

(c)



(IV) ਜਗਨਨਾਥ ਮੰਦਿਰ

(d)



Options :

70819143713. (I)-(b), (II)-(c), (III)-(a), (IV)-(d)

70819143714. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819143715. (I)-(c), (II)-(a), (III)-(d), (IV)-(b)

70819143716. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

**Question Number : 35 Question Id : 70819113248 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match List - I with List - II.

| List - I             | List - II    |
|----------------------|--------------|
| (I) Yadvindra Garden | (a) Manali   |
| (II) Vishnu Temple   | (b) Amritsar |
| (III) Hidimba Temple | (c) Pinjore  |
| (IV) Hari Mandir     | (d) Buniyar  |

**Options :**

70819143717. (I)-(c), (II)-(d), (III)-(b), (IV)-(a)

70819143718. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819143719. (I)-(d), (II)-(b), (III)-(c), (IV)-(a)

70819143720. (I)-(b), (II)-(d), (III)-(a), (IV)-(c)

**Question Number : 35 Question Id : 70819113248 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



ਸੂਚੀ I ਨੂੰ ਸੂਚੀ II ਨਾਲ ਮਿਲਾਣ ਕਰੋ।

ਸੂਚੀ - I

ਸੂਚੀ - II

- |                     |               |
|---------------------|---------------|
| (I) ਯਾਦਵਿੰਦਰਾ ਗਾਰਡਨ | (a) ਮਨਾਲੀ     |
| (II) ਵਿਸ਼ਨੂ ਮੰਦਿਰ   | (b) ਅੰਮ੍ਰਿਤਸਰ |
| (III) ਹਡਿੰਬਾ ਮੰਦਿਰ  | (c) ਪਿੰਜੋਰ    |
| (IV) ਹਰੀ ਮੰਦਿਰ      | (d) ਬੁਨਿਆਰ    |

**Options :**

70819143717. (I)-(c), (II)-(d), (III)-(b), (IV)-(a)

70819143718. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819143719. (I)-(d), (II)-(b), (III)-(c), (IV)-(a)

70819143720. (I)-(b), (II)-(d), (III)-(a), (IV)-(c)

**Question Number : 36 Question Id : 70819113249 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match List - I with List - II.

List - I

List - II

- |                     |               |
|---------------------|---------------|
| (I) Mehrangarh Fort | (a) Hyderabad |
| (II) Siri Fort      | (b) Kolkata   |
| (III) Golconda Fort | (c) Delhi     |
| (IV) Fort William   | (d) Jodhpur   |

Choose the correct answer from options given below :

**Options :**

70819143721. (I)-(a), (II)-(d), (III)-(b), (IV)-(c)

70819143722. (I)-(d), (II)-(c), (III)-(a), (IV)-(b)

70819143723. (I)-(d), (II)-(c), (III)-(b), (IV)-(a)

70819143724. (I)-(a), (II)-(b), (III)-(d), (IV)-(c)

**Question Number : 36 Question Id : 70819113249 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**ਸੂਚੀ I ਨੂੰ ਸੂਚੀ II ਨਾਲ ਮਿਲਾਣ ਕਰੋ।**

**ਸੂਚੀ - I**

**ਸੂਚੀ - II**

- |                       |              |
|-----------------------|--------------|
| (I) ਮੇਹਰਾਨਗੜ੍ਹ ਕਿਲ੍ਹਾ | (a) ਹੈਦਰਾਬਾਦ |
| (II) ਸਿਰੀ ਕਿਲ੍ਹਾ      | (b) ਕੋਲਕਤਾ   |
| (III) ਗੋਲਕੋਂਡ ਕਿਲ੍ਹਾ  | (c) ਦਿੱਲੀ    |
| (IV) ਵਿਲਿਅਮ ਦਾ ਕਿਲ੍ਹਾ | (d) ਜੋਧਪੁਰ   |

ਹੇਠ ਦਿੱਤੇ ਵਿਕਲਪਾਂ ਚੋਂ ਸਹੀ ਉੱਤਰ ਲੱਭੋ :

**Options :**

70819143721. (I)-(a), (II)-(d), (III)-(b), (IV)-(c)

70819143722. (I)-(d), (II)-(c), (III)-(a), (IV)-(b)

70819143723. (I)-(d), (II)-(c), (III)-(b), (IV)-(a)

70819143724. (I)-(a), (II)-(b), (III)-(d), (IV)-(c)

**Question Number : 37 Question Id : 70819113250 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Book 'God of small things' is written by which Indian Architect ?

**Options :**

70819143725. B.V. Doshi

70819143726. Arundhati Roy

70819143727. Revati Kamat

70819143728. Bimal Patel

**Question Number : 37 Question Id : 70819113250 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਕਿਤਾਬ 'ਗੋਡ ਆਫ਼ ਸਮਾਲ ਬਿੰਗਜ਼' ਕਿਹੜੇ ਭਾਰਤ ਦੇ ਆਰਕੀਟੈਕਟ ਦਵਾਰਾ ਲਿਖੀ ਗਈ ਹੈ ?

**Options :**

70819143725. ਬੀ.ਵੀ. ਦੋਸ਼ੀ

70819143726. ਅਰੁਨਧਤੀ ਰਾਏ

70819143727. ਰੇਵਤੀ ਕਾਮਤ

70819143728. ਬਿਮਲ ਪਟੇਲ

**Question Number : 38 Question Id : 70819113251 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

'Jharokha' is a type of window mostly found in :

**Options :**

70819143729. Gujarat

70819143730. West Bengal

70819143731. Tamil Nadu

70819143732. Rajasthan

**Question Number : 38 Question Id : 70819113251 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

‘ਝਰੋਖਾ’ ਜੋ ਇੱਕ ਕਿਸਮ ਦੀ ਖਿੜਕੀ ਹੈ, ਇੰਨਾਂ ਵਿੱਚੋਂ ਕਿਸ ਰਾਜ ਵਿੱਚ ਜ਼ਿਆਦਾ ਪਾਈ ਜਾਂਦੀ ਹੈ ?

**Options :**

70819143729. ਗੁਜਰਾਤ

70819143730. ਪੱਛਮੀ ਬੰਗਾਲ

70819143731. ਤਾਮਿਲਨਾਡੂ

70819143732. ਰਾਜਸਥਾਨ

**Question Number : 39 Question Id : 70819113252 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The monsoon wind enters in Indian sub-continent from which direction ?

**Options :**

70819143733. North-West side

70819143734. South-East side

70819143735. North side

70819143736. South-West side

**Question Number : 39 Question Id : 70819113252 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਮਾਨਸੂਨ ਹਵਾ ਕਿਹੜੀ ਦਿਸ਼ਾ ਵੱਲੋਂ ਭਾਰਤ ਉਪ ਸਹਾਂਦੀਪ ਵਿੱਚ ਪ੍ਰਵੇਸ਼ ਕਰਦੀ ਹੈ ?

**Options :**

70819143733. ਉੱਤਰ-ਪੱਛਮ ਵਾਲੇ ਪਾਸੇ

70819143734. ਦੱਖਣ-ਪੂਰਬ ਵਾਲੇ ਪਾਸੇ

70819143735. ਉੱਤਰ ਵਾਲੇ ਪਾਸੇ

70819143736. ਦੱਖਣ-ਪੱਛਮ ਵਾਲੇ ਪਾਸੇ

**Question Number : 40 Question Id : 70819113253 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following building represents the colonial Architectural pattern in India ?

**Options :**

70819143737. Bharat Bhavan in Bhopal

70819143738. LIC Building in Delhi

70819143739. Charminar in Hyderabad

70819143740. Victoria Memorial in Kolkata

**Question Number : 40 Question Id : 70819113253 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਹੇਠ ਦਿੱਤੇ ਵਿੱਚੋਂ ਕਿਹੜੀ ਇਮਾਰਤ 'ਬਸਤੀਵਾਦੀ (ਕਲੋਨੀਅਲ) ਆਰਕੀਟੈਕਚਰ' ਢੰਗ ਨੂੰ ਪ੍ਰਗਟ ਕਰਦੀ ਹੈ ?

**Options :**

70819143737. ਭਾਰਤ ਭਵਨ -ਭੋਪਾਲ

70819143738. ਐਲ.ਆਈ.ਸੀ. ਇਮਾਰਤ -ਦਿੱਲੀ

70819143739. ਚਾਰ ਮਿਨਾਰ -ਹੈਦਰਾਬਾਦ

70819143740. ਵਿਕਟੋਰੀਆ ਮੈਮੋਰਿਅਲ -ਕੋਲਕਤਾ

**Question Number : 41 Question Id : 70819113254 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the size of A2 Drawing sheet ?

**Options :**

70819143741.  $420 \times 590$  (mm  $\times$  mm)

70819143742.  $420 \times 594$  (mm  $\times$  mm)

70819143743.  $297 \times 420$  (mm  $\times$  mm)

70819143744.  $420 \times 592$  (mm  $\times$  mm)

**Question Number : 41 Question Id : 70819113254 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A2 ਡਰਾਇੰਗ ਸੀਟ ਦਾ ਕੀ ਮਾਪ ਹੰਦਾ ਹੈ (mm= ਮੀਲੀਮੀਟਰ) ?

**Options :**

70819143741.  $420 \times 590$  (mm  $\times$  mm)

70819143742.  $420 \times 594$  (mm  $\times$  mm)

70819143743.  $297 \times 420$  (mm  $\times$  mm)

70819143744.  $420 \times 592$  (mm  $\times$  mm)

**Question Number : 42 Question Id : 70819113255 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Victory Tower belongs to which of the following fort :

**Options :**

70819143745. Chittor fort

70819143746. Jaigarh fort

70819143747. Bhangarh fort

70819143748. Amer fort

**Question Number : 42 Question Id : 70819113255 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

‘ਵਿਕਟਰੀ ਟਾਵਰ’ ਕਿਹੜੇ ਹੇਠ ਲਿਖੇ ਕਿਲ੍ਹੇ ਨਾਲ ਸਬੰਧਤ ਹੈ ?

**Options :**

70819143745. ਚਿੱਤੌੜ ਦਾ ਕਿਲ੍ਹਾ

70819143746. ਜੈਗੜ੍ਹ ਦਾ ਕਿਲ੍ਹਾ

70819143747. ਭਾਨਗੜ੍ਹ ਦਾ ਕਿਲ੍ਹਾ

70819143748. ਆਮੇਰ ਦਾ ਕਿਲ੍ਹਾ

**Question Number : 43 Question Id : 70819113256 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which amongst the following Architect has designed the famous Temple "Akshardham" ?

**Options :**

70819143749. Sanjay Puri

70819143750. Vikram Lall

70819143751. Ashok Lall

70819143752. C. Sompura

**Question Number : 43 Question Id : 70819113256 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਇੰਨਾਂ ਵਿੱਚੋਂ ਕਿਹੜੇ ਆਰਕੀਟੈਕਟ ਨੇ ਮਸ਼ਹੂਰ ਮੰਦਿਰ "ਅਕਸ਼ਰਧਾਮ" ਡਿਜ਼ਾਇਨ ਕੀਤਾ ਹੈ ?

**Options :**

70819143749. ਸੰਜੇ ਪੁਰੀ



70819143750. ਵਿਕਰਮ ਲਾਲ

70819143751. ਅਸ਼ੋਕ ਲਾਲ

70819143752. ਸੀ. ਸੋਮਪੁਰਾ

**Question Number : 44 Question Id : 70819113257 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

'Volume Zero' Documentary is on which Architect ?

**Options :**

70819143753. Charles Correa

70819143754. Richard Mier

70819143755. Jasbir Sachdev

70819143756. Ranjit Sabliki

**Question Number : 44 Question Id : 70819113257 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

'ਵਾਲੀਆਮ ਜ਼ੀਰੋ' ਦਸਤਾਵੇਜ਼ੀ ਕਿਹੜੇ ਆਰਕੀਟੈਕਟ ਦੇ ਬਾਰੇ ਹੈ :

**Options :**

70819143753. ਚਾਰਲਸ ਕੋਰੀਆ

70819143754. ਰਿਚਰਡ ਮੀਅਰ

70819143755. ਜਸਬੀਰ ਸਚਦੇਵ

70819143756. ਰਨਜੀਤ ਸਭਲੀਕੀ

**Question Number : 45 Question Id : 70819113258 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

'Agenda 21' is declaration related with :

**Options :**

70819143757. Climate change

70819143758. Global warming

70819143759. Sustainable development

70819143760. Smart city

**Question Number : 45 Question Id : 70819113258 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

'ਏਜੰਡਾ 21 ਦੀ' ਘੋਸ਼ਣਾ ਕਿਸ ਨਾਲ ਸਬੰਧਤ ਹੈ ?

**Options :**

70819143757. ਮੌਸਮ ਤਬਦੀਲੀ

70819143758. ਗਲੋਬਲ ਵਾਰਮਿੰਗ

70819143759. ਸਸਟੇਨਬਲ ਵਿਕਾਸ

70819143760. ਸਮਾਰਟ ਸਿਟੀ

**Question Number : 46 Question Id : 70819113259 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Gold mines are situated in which state of India ?

**Options :**

70819143761. Karnataka

70819143762. Orissa

70819143763. Maharashtra

70819143764. Uttar Pradesh

**Question Number : 46 Question Id : 70819113259 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਸੋਨੇ ਦੀਆਂ ਖਾਣਾਂ, ਭਾਰਤ ਦੇ ਕਿਹੜੇ ਰਾਜ ਵਿੱਚ ਸਥਿਤ ਹਨ ?

**Options :**

70819143761. ਕਰਨਾਟਕਾ

70819143762. ਉੜੀਸਾ

70819143763. ਮਹਾਰਾਸ਼ਟਰਾ

70819143764. ਉੱਤਰ ਪ੍ਰਦੇਸ਼

**Question Number : 47 Question Id : 70819113260 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In the Southern Hemisphere shadowless light is from which direction ?

**Options :**

70819143765. North

70819143766. South

70819143767. East

70819143768. West

**Question Number : 47 Question Id : 70819113260 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਦੱਖਣੀ ਗੋਲਾਕ ਵਿੱਚ ਪਰਛਾਵਾਂ ਰਹਿਤ ਰੋਸ਼ਨੀ ਕਿਹੜੀ ਦਿਸ਼ਾ ਤੋਂ ਆਉਂਦੀ ਹੈ ?

**Options :**

70819143765. ਉੱਤਰ

70819143766. ਦੱਖਣ

70819143767. ਪੂਰਬ

70819143768. ਪੱਛਮ

**Question Number : 48 Question Id : 70819113261 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The first Indian Architect who has won Pritzker Prize in 2018 is :

**Options :**

70819143769. B.V. Doshi

70819143770. Laurie Baker

70819143771. Raj Rewal

70819143772. Achyut Kanvinde

**Question Number : 48 Question Id : 70819113261 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਕਿਹੜਾ ਪਹਿਲਾ ਭਾਰਤੀ ਆਰਕੀਟੈਕਟ ਜਿਸਨੂੰ ਪ੍ਰਿਟਜ਼ਕਰ ਪੁਰਸਕਾਰ 2018 ਵਿੱਚ ਜਿੱਤਿਆ ।

**Options :**

70819143769. ਬੀ.ਵੀ. ਦੋਸ਼ੀ

70819143770. ਲੌਰੀ ਬੇਕਰ

70819143771. ਰਾਜ ਰੇਵਾਲ

70819143772. ਅਚਿਊਤ ਕਨਵਿੰਦੇ

**Question Number : 49 Question Id : 70819113262 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Word "Bungalow" has originated from :

**Options :**

70819143773. Bengalurm

70819143774. Banaras

70819143775. Bengal

70819143776. Bari

**Question Number : 49 Question Id : 70819113262 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਸ਼ਬਦ "ਬੰਗਲੋ" ਦੀ ਸ਼ੁਰੂਆਤ ਕਿਥੋਂ ਹੋਈ ?

**Options :**

70819143773. ਬੈਂਗਲੁਰੁਮ

70819143774. ਬਨਾਰਸ

70819143775. ਬੰਗਾਲ

70819143776. ਬਾਰੀ

**Question Number : 50 Question Id : 70819113263 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The IIM - Ahmedabad is designed by which of the following Architect ?

**Options :**

70819143777. Laurie Baker

70819143778. Louis Kahn

70819143779. Lutyen

70819143780. Le Corbusier

**Question Number : 50 Question Id : 70819113263 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

‘ਆਈ ਆਈ ਐਮ’ ਅਹਿਮਦਾਬਾਦ ਹੇਠ ਲਿੱਖੇ ਕਿਹੜੇ ਆਰਕੀਟੈਕਟ ਨੇ ਡਿਜ਼ਾਇਨ ਕੀਤਾ ਹੈ ?

**Options :**

70819143777. ਲੌਰੀ ਬੇਕਰ

70819143778. ਲੁਈ ਕਾਨ

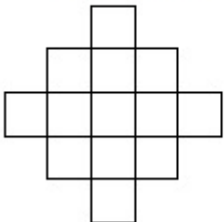
70819143779. ਲਊਟੇਨ

70819143780. ਲੀ-ਕੌਰਬੁਜ਼ੀਅਰ

**Question Number : 51 Question Id : 70819113264 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In the given figure, how many squares are present ?



**Options :**

70819143781. 14

70819143782. 13

70819143783. 15

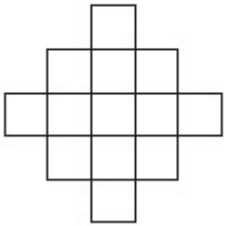
70819143784. 18

**Question Number : 51 Question Id : 70819113264 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਦਿੱਤੇ ਗਏ ਚਿੱਤਰ ਵਿੱਚ, ਕੁੱਲ ਕਿੰਨੇ ਵਰਗ ਮੌਜੂਦ ਨੇ ?



**Options :**

70819143781. 14

70819143782. 13

70819143783. 15

70819143784. 18

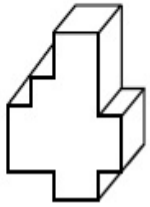
**Question Number : 52 Question Id : 70819113265 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

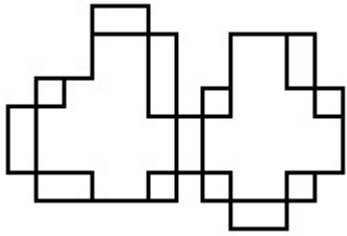
**Correct Marks : 4 Wrong Marks : 1**



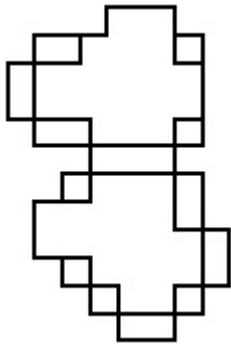
A drawing is provided with all the folds to construct the following three Dimensional object.  
Select the correct one.



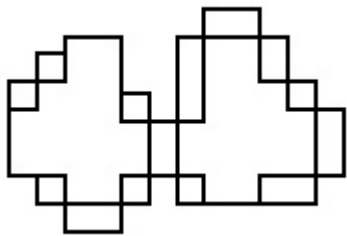
**Options :**



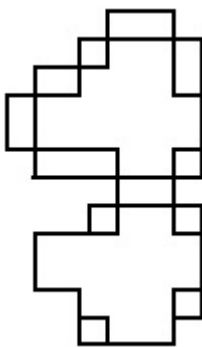
70819143785.



70819143786.



70819143787.

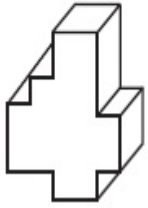


70819143788.

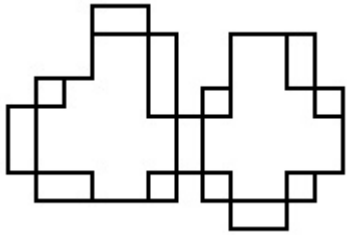
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

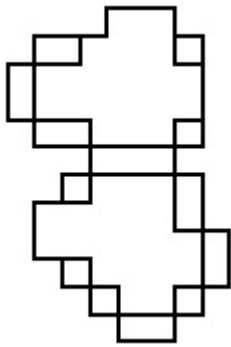
ਡਰਾਇੰਗ ਸਾਰੇ ਫੇਲਡਾਂ ਦੇ ਨਾਲ ਦਿੱਤੀ ਗਈ ਹੈ ਜਿੰਨ੍ਹਾਂ ਨਾਲ ਹੇਠ ਦਿੱਤੀ ਤਿੰਨ ਅਯਾਮੀ 3-ਡੀ ਵਸਤੂ ਦਾ ਨਿਰਮਾਣ ਕੀਤਾ ਹੈ । ਸਹੀ ਉੱਤਰ ਚੁਣੋ ।



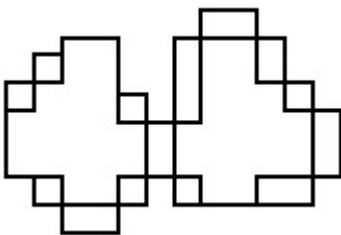
**Options :**



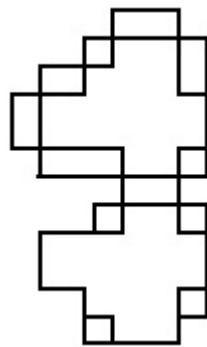
70819143785.



70819143786.



70819143787.



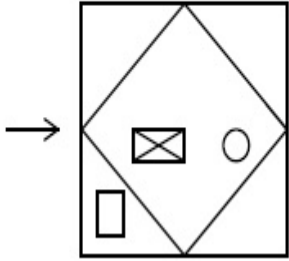
70819143788.

Question Number : 53 Question Id : 70819113266 Question Type : MCQ Option Shuffling : Yes

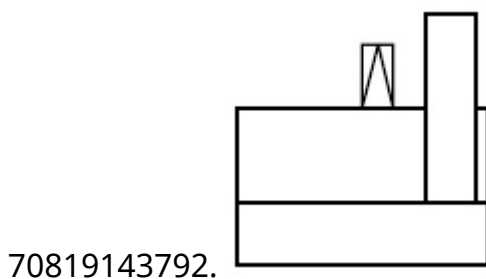
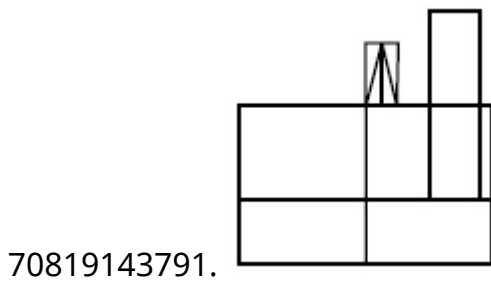
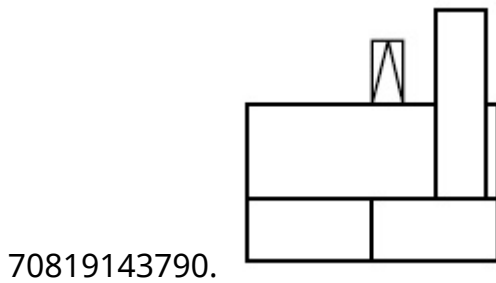
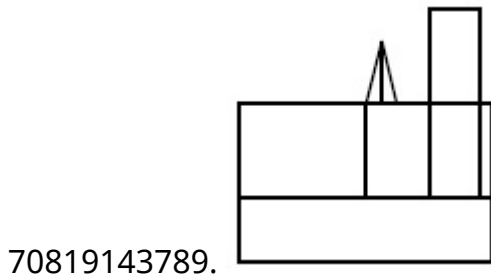
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The problem figure shows the top view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



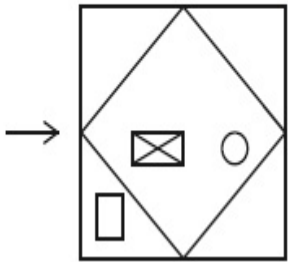
Options :



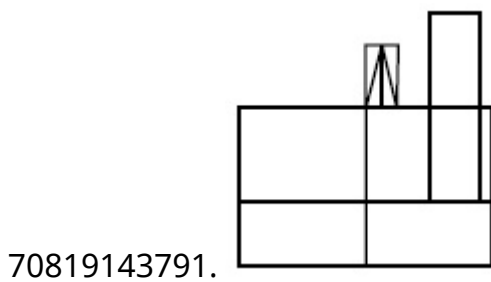
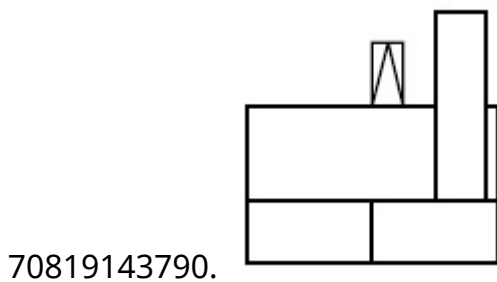
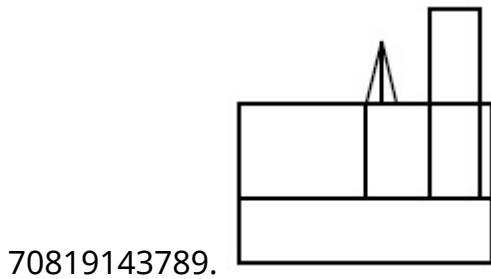
Question Number : 53 Question Id : 70819113266 Question Type : MCQ Option Shuffling : Yes  
 Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

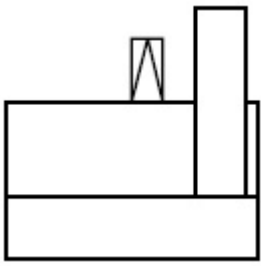
ਸਵਾਲ ਚਿੱਤਰ ਕਿਸੇ ਵਸਤੂ ਦਾ ਚੋਟੀ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਇੰਨਾ ਵਿੱਚੋਂ ਪਛਾਣੋ ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ ਇਸ ਵਸਤੂ ਦਾ ਸਹੀ ਦ੍ਰਿਸ਼ ਦਿਖਾਉਂਦਾ ਹੈ, ਜੇ ਉਸਨੂੰ ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵੱਲੋਂ ਵੇਖਿਆ ਜਾਵੇਗਾ।



Options :



70819143792.

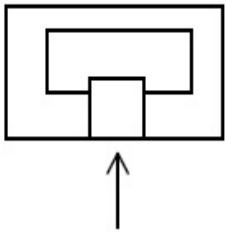


**Question Number : 54 Question Id : 70819113267 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

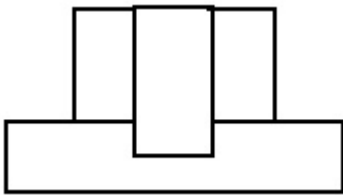
**Correct Marks : 4 Wrong Marks : 1**

The problem figure shows the top view of an object. Identify the correct elevation amongst the answer figures looking in the direction of arrow.

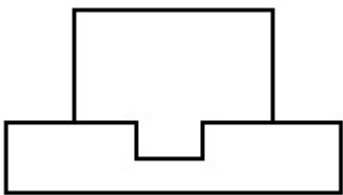


**Options :**

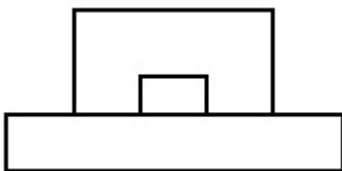
70819143793.



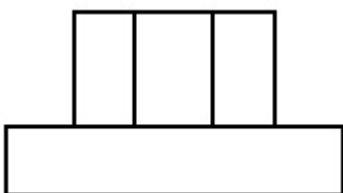
70819143794.



70819143795.



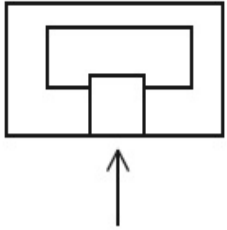
70819143796.



Question Number : 54 Question Id : 70819113267 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

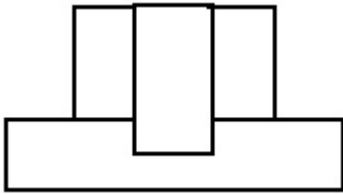
Correct Marks : 4 Wrong Marks : 1

ਸਵਾਲ ਚਿੱਤਰ ਕਿਸੇ ਵਸਤੂ ਦਾ ਚੋਟੀ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਇੰਨਾਂ ਵਿੱਚੋਂ ਪਛਾਣੋ ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ ਇਸ ਵਸਤੂ ਦਾ ਸਾਹਮਣੇ ਦਾ ਦ੍ਰਿਸ਼(ਐਲੀਵੇਸ਼ਨ) ਦਿਖਾਉਂਦਾ ਹੈ, ਜੇ ਉਸਨੂੰ ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵੱਲੋਂ ਦੇਖਿਆ ਜਾਵੇਗਾ ।

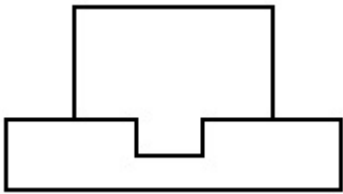


Options :

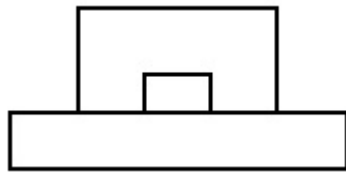
70819143793.



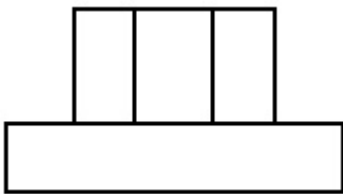
70819143794.



70819143795.



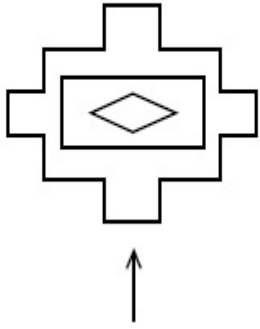
70819143796.



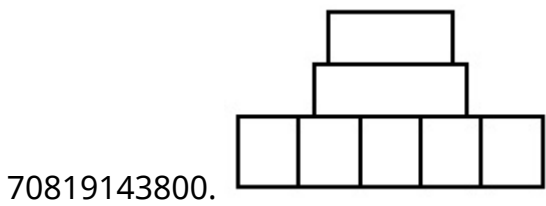
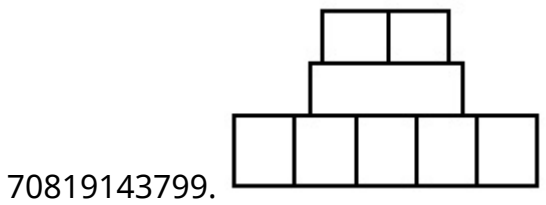
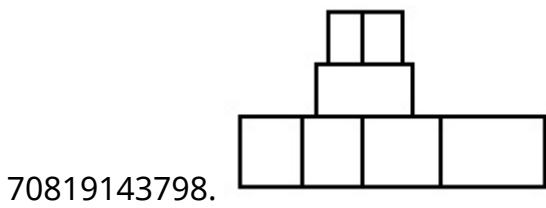
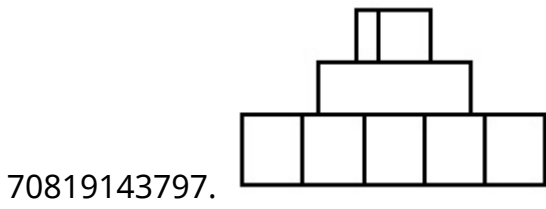
Question Number : 55 Question Id : 70819113268 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

**Correct Marks : 4 Wrong Marks : 1**

The problem figure shows the top view of an object. Identify the correct elevation amongst the answer figures looking in the direction of arrow.



**Options :**

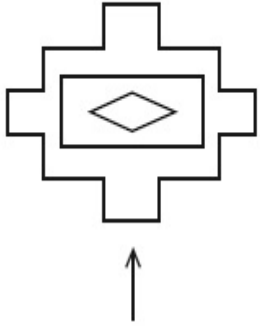


**Question Number : 55 Question Id : 70819113268 Question Type : MCQ Option Shuffling : Yes**

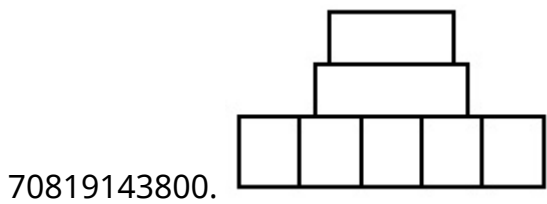
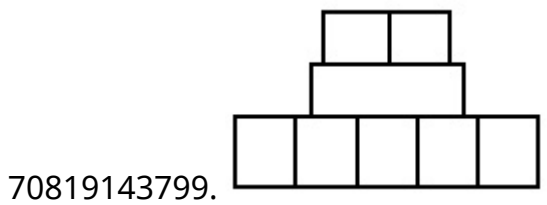
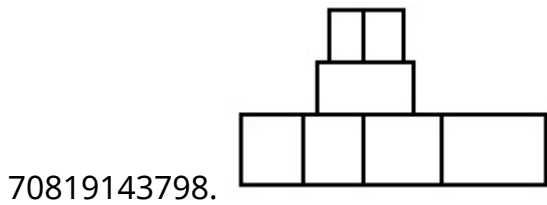
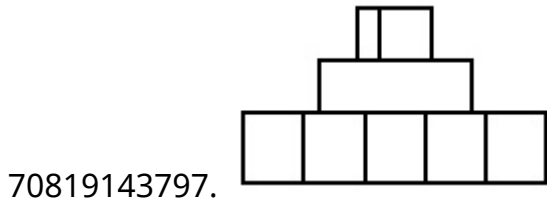
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਸਵਾਲ ਚਿੱਤਰ ਕਿਸੇ ਵਸਤੂ ਦਾ ਚੋਟੀ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਇੰਨਾਂ ਵਿੱਚੋਂ ਪਛਾਣੋ ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ ਇਸ ਵਸਤੂ ਦਾ ਸਾਹਮਣੇ ਦਾ ਦ੍ਰਿਸ਼(ਐਲੀਵੇਸ਼ਨ) ਦਿਖਾਉਂਦਾ ਹੈ, ਜੇ ਉਸਨੂੰ ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵੱਲੋਂ ਦੇਖਿਆ ਜਾਵੇਗਾ ।



**Options :**



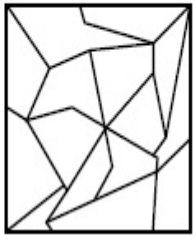
**Question Number : 56 Question Id : 70819113269 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



One of the following answer figures is hidden in problem figure in same size and direction.  
Select correct one.



**Options :**

70819143801.

70819143802.

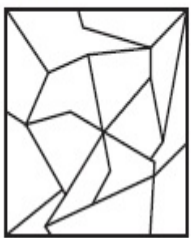
70819143803.

70819143804.

**Question Number : 56 Question Id : 70819113269 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਹੇਠ ਦਿੱਤੇ ਜਵਾਬ ਚਿੱਤਰਾਂ ਵਿਚੋਂ ਕੋਈ ਇੱਕ ਸਵਾਲ ਚਿੱਤਰ ਵਿੱਚ ਲੁਕਿਆ ਹੋਇਆ ਹੈ, ਉਸੇ ਮਾਪ ਅਤੇ ਉਸੇ ਦਿਸ਼ਾ ਵਿੱਚ। ਸਹੀ ਜਵਾਬ ਚੁਣੋ ।



**Options :**

70819143801.

70819143802.



70819143803.



70819143804.



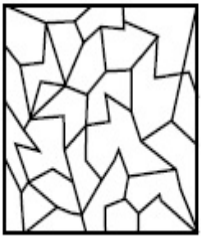
**Question Number : 57 Question Id : 70819113270 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

One of the following answer figures is hidden in problem figure in the same size and direction.

Select correct one.



**Options :**

70819143805.



70819143806.



70819143807.



70819143808.

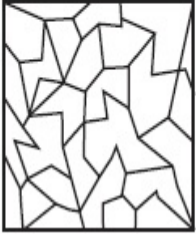


Question Number : 57 Question Id : 70819113270 Question Type : MCQ Option Shuffling : Yes


Is Question Mandatory : No


Correct Marks : 4 Wrong Marks : 1


ਹੇਠ ਦਿੱਤੇ ਜਵਾਬ ਚਿੱਤਰਾਂ ਵਿੱਚੋਂ ਕੋਈ ਇੱਕ ਸਵਾਲ ਚਿੱਤਰ ਵਿੱਚ ਲੁਕਿਆ ਹੋਇਆ ਹੈ, ਉਸੇ ਮਾਪ ਅਤੇ ਉਸੇ ਦਿਸ਼ਾ ਵਿੱਚ। ਸਹੀ ਜਵਾਬ ਚੁਣੋ ।




Options :

70819143805. 

70819143806. 

70819143807. 

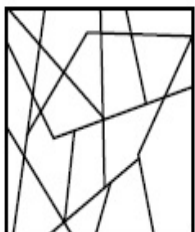
70819143808. 

Question Number : 58 Question Id : 70819113271 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

One of the following answer figures is hidden in the problem figure in same size and direction.  
Select the correct one.



Options :

70819143809.



70819143810.



70819143811.



70819143812.

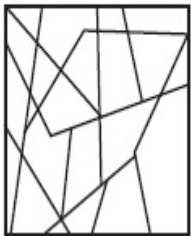


**Question Number : 58 Question Id : 70819113271 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਹੇਠ ਦਿੱਤੇ ਜਵਾਬ ਚਿੱਤਰਾਂ ਵਿਚੋਂ ਕੋਈ ਇੱਕ ਸਵਾਲ ਚਿੱਤਰ ਵਿੱਚ ਲੁਕਿਆ ਹੋਇਆ ਹੈ, ਉਸੇ ਮਾਪ ਅਤੇ ਉਸੇ ਦਿਸ਼ਾ ਵਿੱਚ। ਸਹੀ ਜਵਾਬ ਚੁਣੋ ।



**Options :**

70819143809.



70819143810.



70819143811.



70819143812.

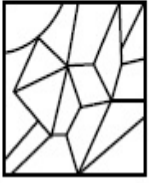


Question Number : 59 Question Id : 70819113272 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

One of the following answer figures is hidden in the problem figure in same size and direction.  
Select the correct one.



Options :

70819143813.

70819143814.

70819143815.

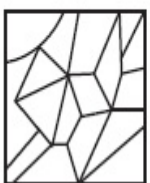
70819143816.

Question Number : 59 Question Id : 70819113272 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ਹੇਠ ਦਿੱਤੇ ਜਵਾਬ ਚਿੱਤਰਾਂ ਵਿੱਚੋਂ ਕੋਈ ਇੱਕ ਸਵਾਲ ਚਿੱਤਰ ਵਿੱਚ ਲੁਕਿਆ ਹੋਇਆ ਹੈ, ਉਸੇ ਮਾਪ ਅਤੇ ਉਸੇ ਦਿਸ਼ਾ ਵਿੱਚ। ਸਹੀ ਜਵਾਬ ਚੁਣੋ ।



Options :

70819143813.

70819143814.



70819143815.



70819143816.

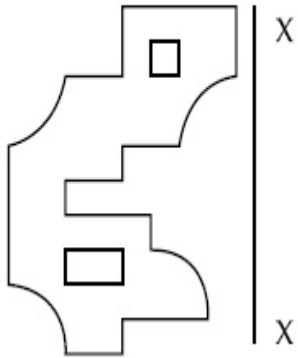


**Question Number : 60 Question Id : 70819113273 Question Type : MCQ Option Shuffling : Yes**

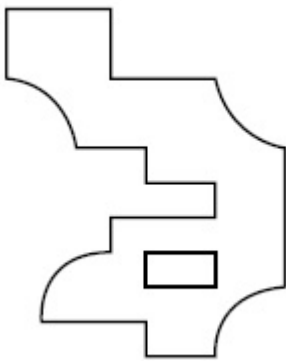
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which one of the answer figures is correct mirror image of problem figure with respect to X-X ?

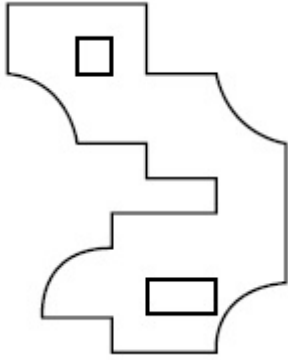
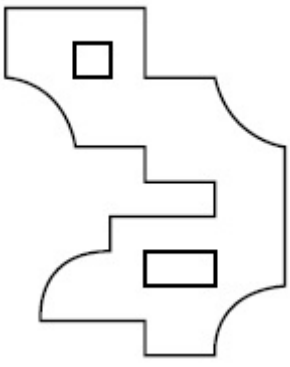


**Options :**

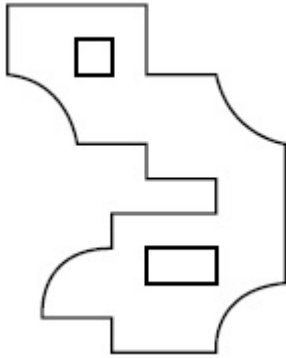


70819143817.

70819143818.



70819143819.



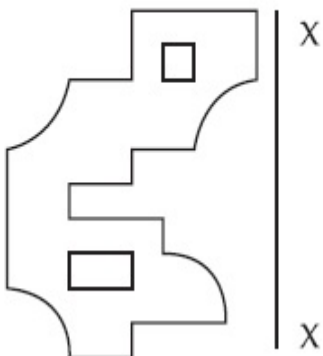
70819143820.

**Question Number : 60 Question Id : 70819113273 Question Type : MCQ Option Shuffling : Yes**

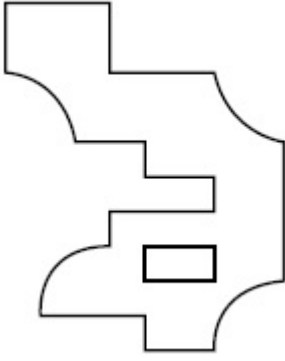
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

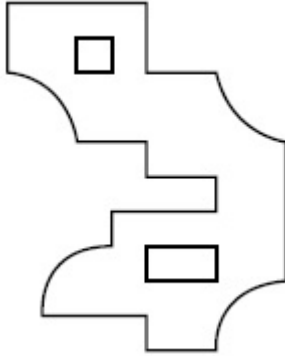
ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਪ੍ਰਸ਼ਨ ਚਿੱਤਰ ਦਾ ਸਹੀ ਸ਼ੀਸ਼ੇ ਵਿੱਚ ਦਿਖ ਰਿਹਾ ਚਿੱਤਰ (ਪ੍ਰਤੀਬਿੰਬ) ਹੈ, X-X ਦੇ ਆਧਾਰ ਤੇ ?



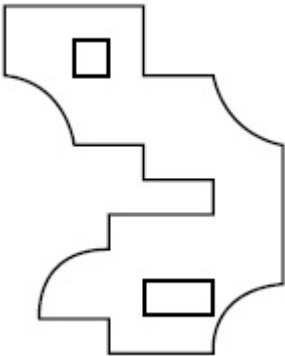
**Options :**



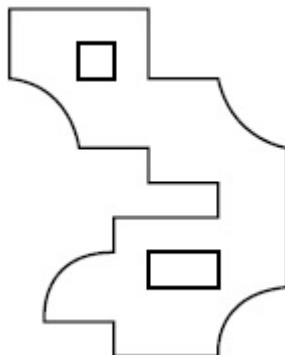
70819143817.



70819143818.



70819143819.

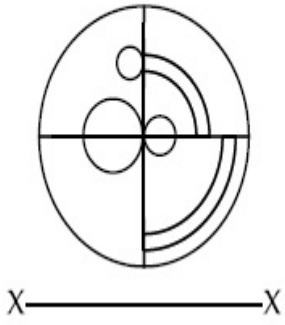


70819143820.

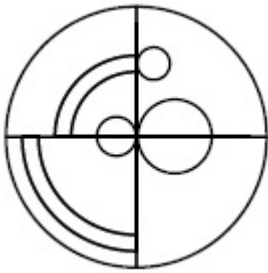


**Correct Marks : 4 Wrong Marks : 1**

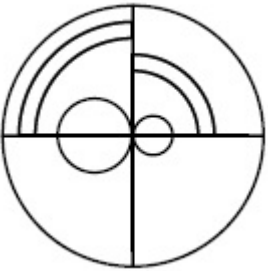
Which one of the answer figures is the correct mirror image of the problem figure with respect to X-X ?



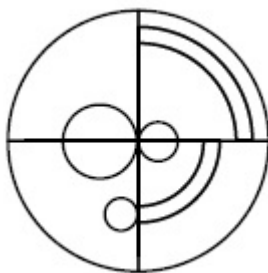
**Options :**



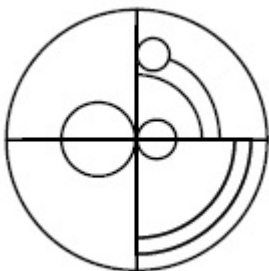
70819143821.



70819143822.



70819143823.



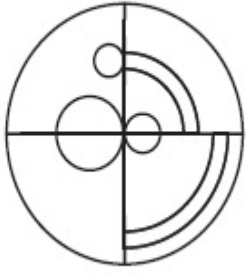
70819143824.

Question Number : 61 Question Id : 70819113274 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

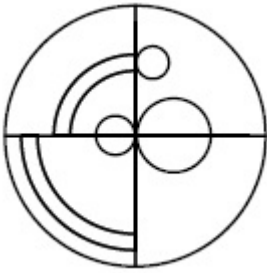
Correct Marks : 4 Wrong Marks : 1

ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਪ੍ਰਸ਼ਨ ਚਿੱਤਰ ਦਾ ਸਹੀ ਸ਼ੀਸ਼ੇ ਵਿੱਚ ਦਿਖ ਰਿਹਾ ਚਿੱਤਰ (ਪ੍ਰਤੀਬਿੰਬ) ਹੈ, X-X ਦੇ ਆਧਾਰ ਤੇ ?

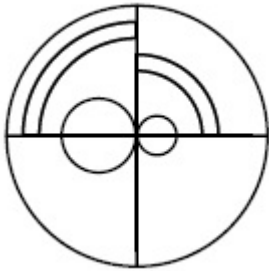


X ————— X

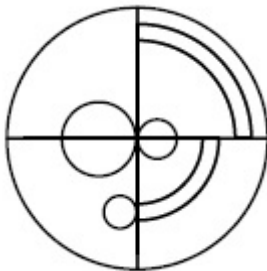
Options :



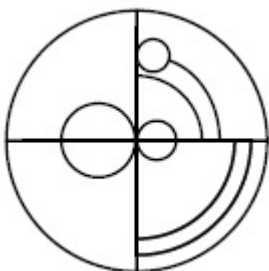
70819143821.



70819143822.



70819143823.

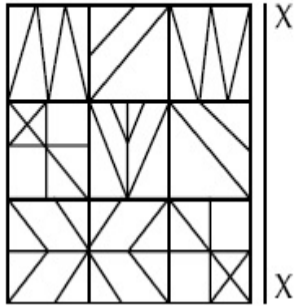


70819143824.

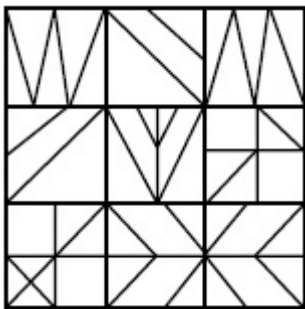
Question Number : 62 Question Id : 70819113275 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

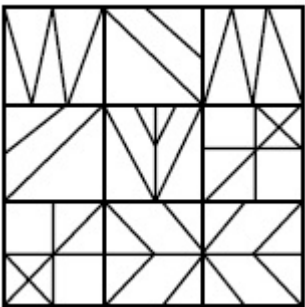
Which one of the answer figures is the correct mirror image of the problem figure with respect to X-X ?



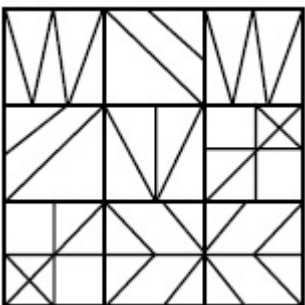
Options :



70819143825.

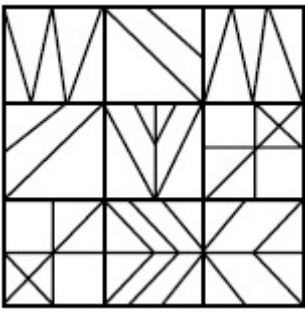


70819143826.



70819143827.

70819143828.

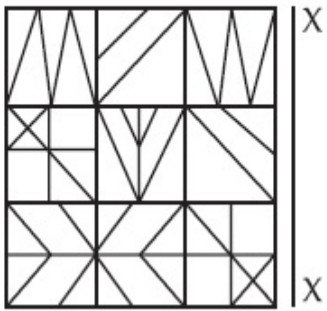


Question Number : 62 Question Id : 70819113275 Question Type : MCQ Option Shuffling : Yes

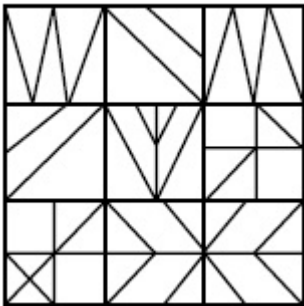
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

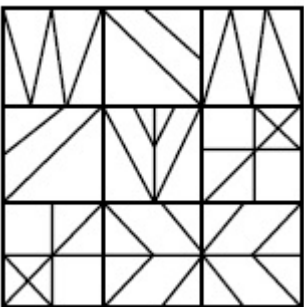
ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਪ੍ਰਸ਼ਨ ਚਿੱਤਰ ਦਾ ਸਹੀ ਸ਼ੀਸ਼ੇ ਵਿੱਚ ਦਿਖ ਰਿਹਾ ਚਿੱਤਰ (ਪ੍ਰਤੀਬਿੰਬ) ਹੈ, X-X ਦੇ ਆਧਾਰ ਤੇ ?



Options :

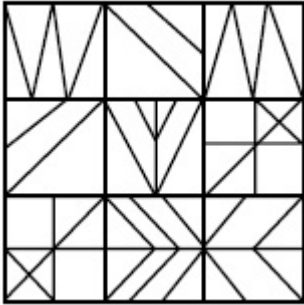
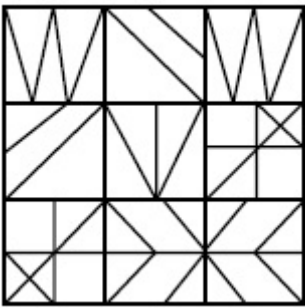


70819143825.



70819143826.

70819143827.



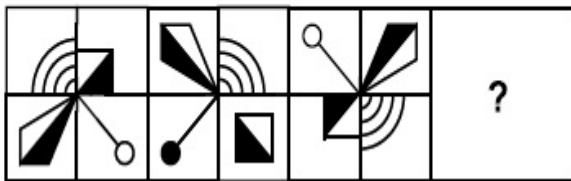
70819143828.

**Question Number : 63 Question Id : 70819113276 Question Type : MCQ Option Shuffling : Yes**

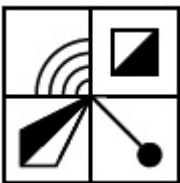
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which one of the answer figures complete the sequence of the problem figure ? Select the correct one.



**Options :**



70819143829.



70819143830.

70819143831.



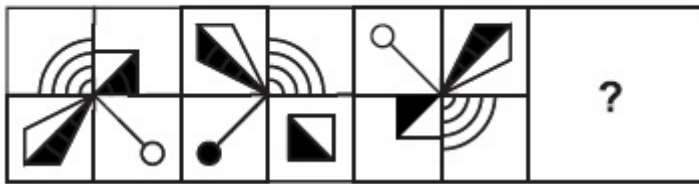
70819143832.

Question Number : 63 Question Id : 70819113276 Question Type : MCQ Option Shuffling : Yes

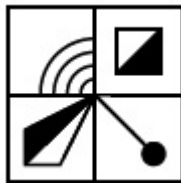
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਸਵਾਲ ਚਿੱਤਰ ਦੇ ਕ੍ਰਮ ਨੂੰ ਪੂਰਾ ਕਰੇਗਾ? ਸਹੀ ਜਵਾਬ ਚੁਣੋ।



Options :



70819143829.



70819143830.



70819143831.

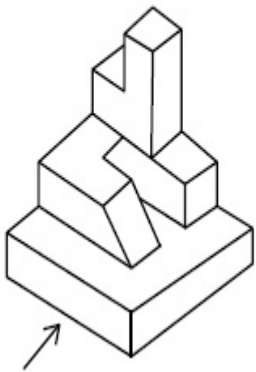
70819143832.



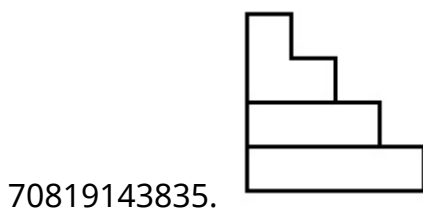
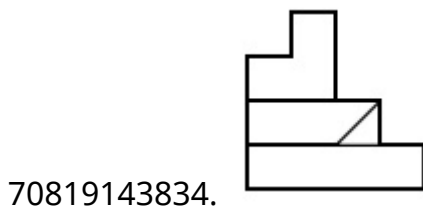
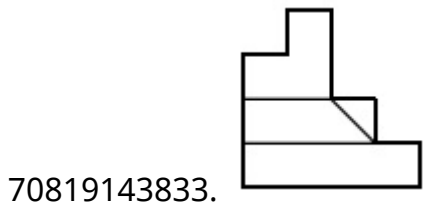
**Question Number : 64 Question Id : 70819113277 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

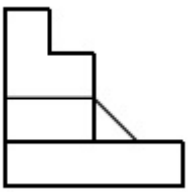
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



**Options :**



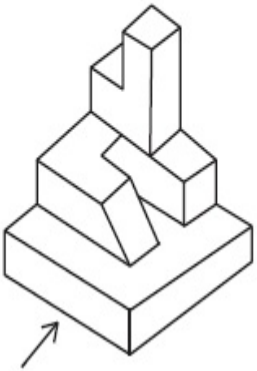
70819143836.



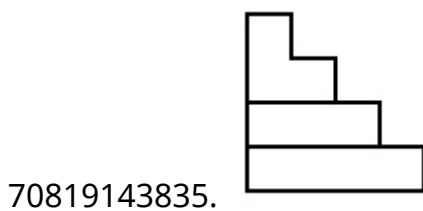
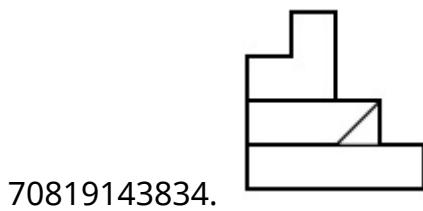
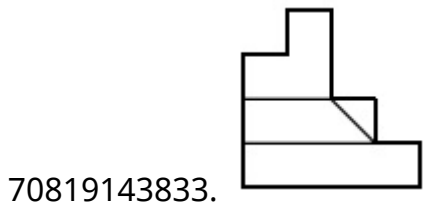
**Question Number : 64 Question Id : 70819113277 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

3-ਡੀ ਚਿੱਤਰ ਕਿਸੇ ਵਸਤੂ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਇਸ ਵਸਤੂ ਦਾ ਸਹੀ ਦ੍ਰਿਸ਼ ਦਿਖਾਉਂਦਾ ਹੈ, ਜੇ ਉਸਨੂੰ ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵੱਲੋਂ ਦੇਖਿਆ ਜਾਵੇਗਾ।

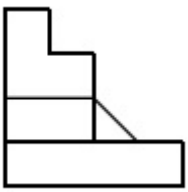


**Options :**



70819143836.

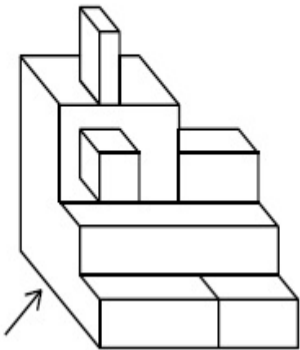




**Question Number : 65 Question Id : 70819113278 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

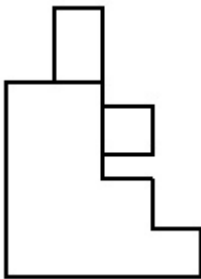
**Correct Marks : 4 Wrong Marks : 1**

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

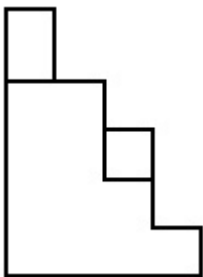


**Options :**

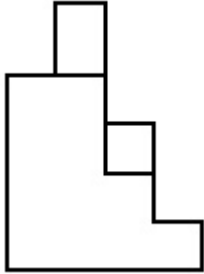
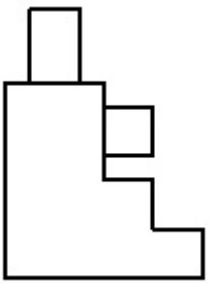
70819143837.



70819143838.



70819143839.



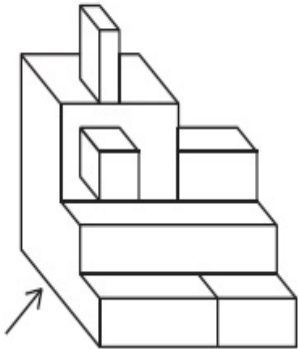
70819143840.

**Question Number : 65 Question Id : 70819113278 Question Type : MCQ Option Shuffling : Yes**

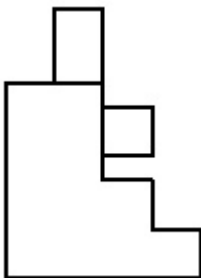
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

3-ਡੀ ਚਿੱਤਰ ਕਿਸੇ ਵਸਤੂ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਇਸ ਵਸਤੂ ਦਾ ਸਹੀ ਦ੍ਰਿਸ਼ ਦਿਖਾਉਂਦਾ ਹੈ, ਜੇ ਉਸਨੂੰ ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵੱਲੋਂ ਦੇਖਿਆ ਜਾਵੇਗਾ।

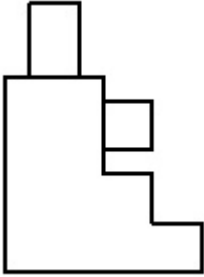
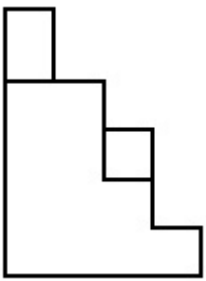


**Options :**

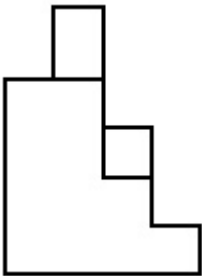


70819143837.

70819143838.



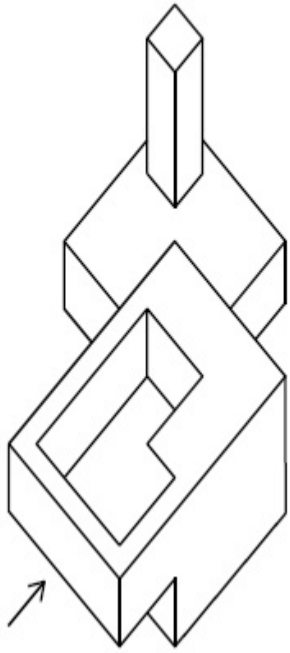
70819143839.



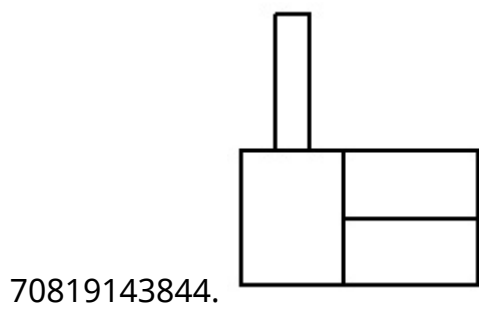
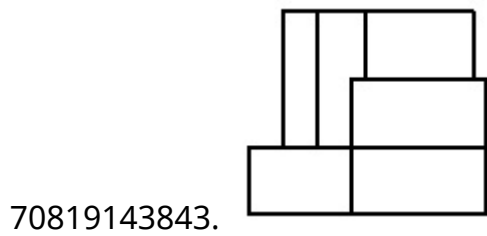
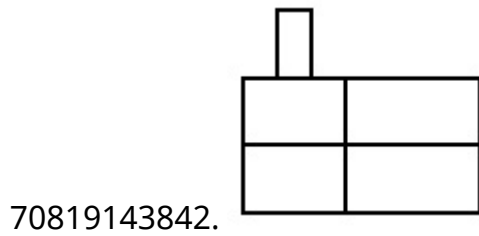
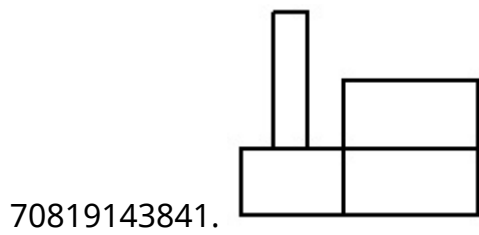
70819143840.

**Question Number : 66 Question Id : 70819113279 Question Type : MCQ Option Shuffling : Yes**  
**Is Question Mandatory : No**  
**Correct Marks : 4 Wrong Marks : 1**

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



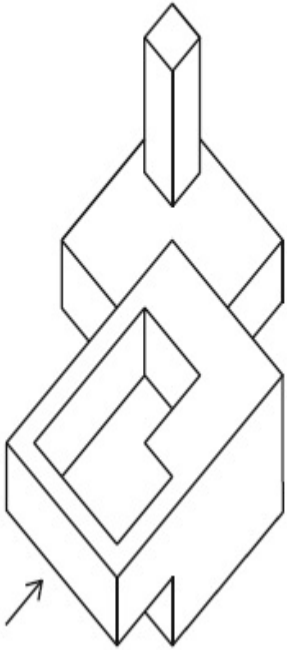
**Options :**



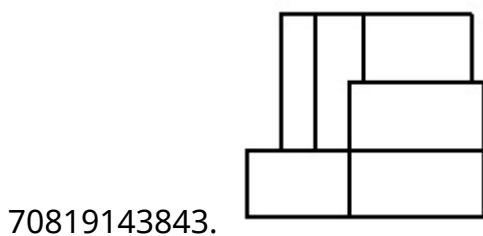
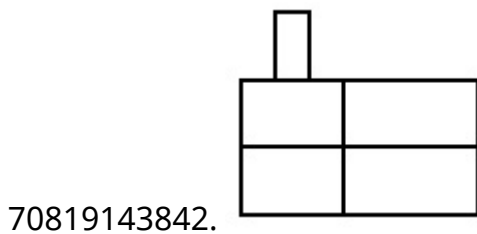
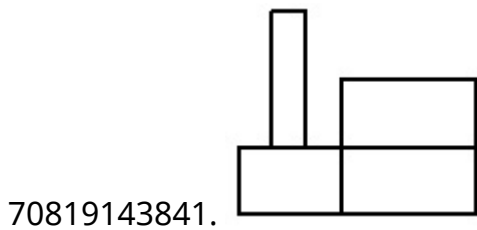
Question Number : 66 Question Id : 70819113279 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

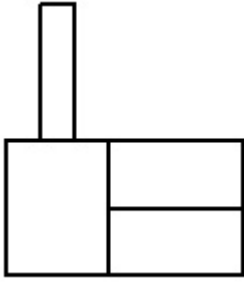
3-ਡੀ ਚਿੱਤਰ ਕਿਸੇ ਵਸਤੂ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਇਸ ਵਸਤੂ ਦਾ ਸਹੀ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ, ਜੇ ਉਸਨੂੰ ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵੱਲੋਂ ਦੇਖਿਆ ਜਾਵੇਗਾ।



Options :



70819143844.

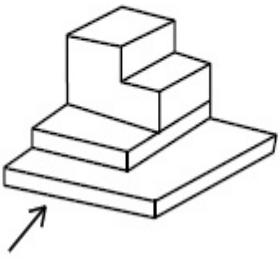


**Question Number : 67 Question Id : 70819113280 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

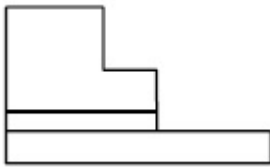
**Correct Marks : 4 Wrong Marks : 1**

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

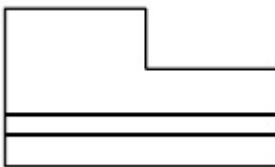


**Options :**

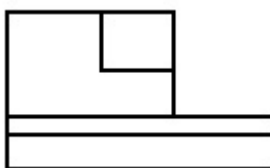
70819143845.



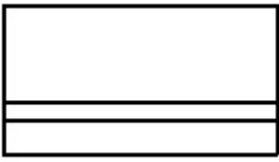
70819143846.



70819143847.



70819143848.

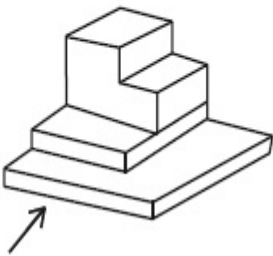


Question Number : 67 Question Id : 70819113280 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

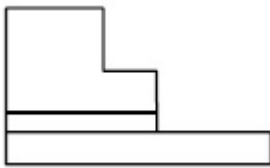
Correct Marks : 4 Wrong Marks : 1

3-ਡੀ ਚਿੱਤਰ ਕਿਸੇ ਵਸਤੂ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਇਸ ਵਸਤੂ ਦਾ ਸਹੀ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ, ਜੋ ਉਸਨੂੰ ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵੱਲੋਂ ਦੇਖਿਆ ਜਾਵੇਗਾ।

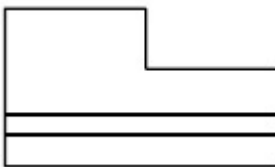


Options :

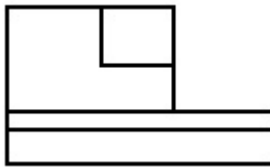
70819143845.



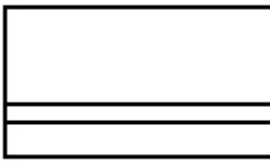
70819143846.



70819143847.



70819143848.

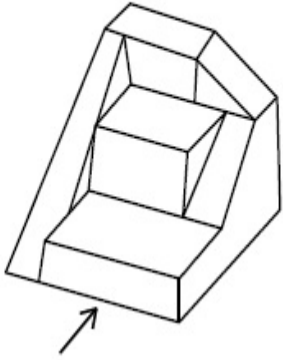


Question Number : 68 Question Id : 70819113281 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

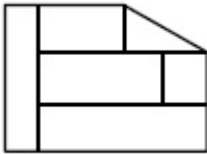
Correct Marks : 4 Wrong Marks : 1

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

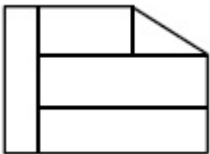


Options :

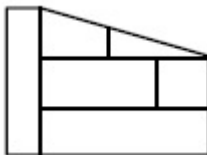
70819143849.



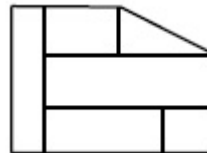
70819143850.



70819143851.



70819143852.



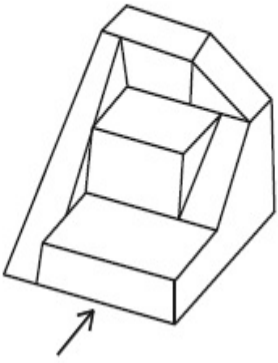
Question Number : 68 Question Id : 70819113281 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

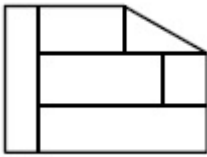


**Correct Marks : 4 Wrong Marks : 1**

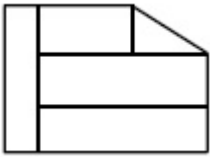
3-ਡੀ ਚਿੱਤਰ ਕਿਸੇ ਵਸਤੂ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਇਸ ਵਸਤੂ ਦਾ ਸਹੀ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ, ਜੇ ਉਸਨੂੰ ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵੱਲੋਂ ਦੇਖਿਆ ਜਾਵੇਗਾ।



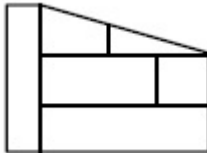
**Options :**



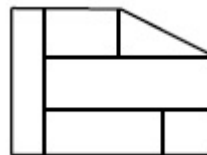
70819143849.



70819143850.



70819143851.



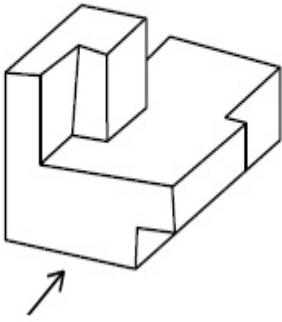
70819143852.

**Question Number : 69 Question Id : 70819113282 Question Type : MCQ Option Shuffling : Yes**

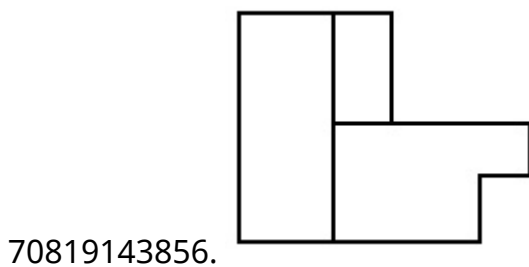
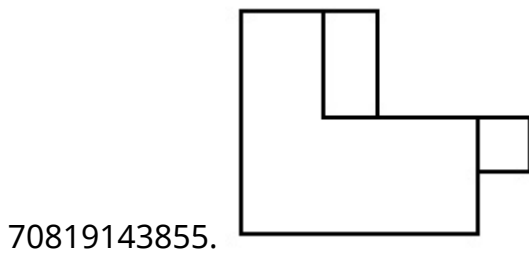
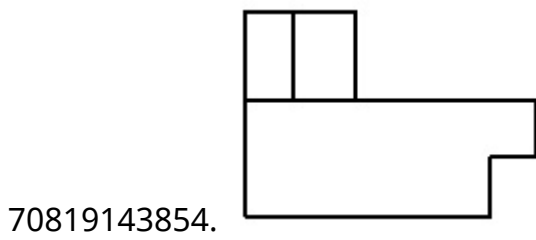
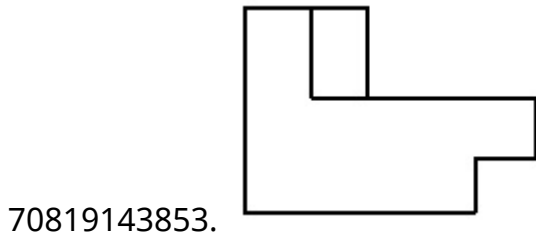
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



**Options :**

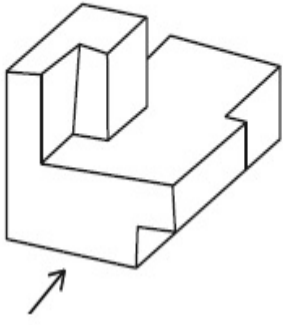


**Question Number : 69 Question Id : 70819113282 Question Type : MCQ Option Shuffling : Yes**

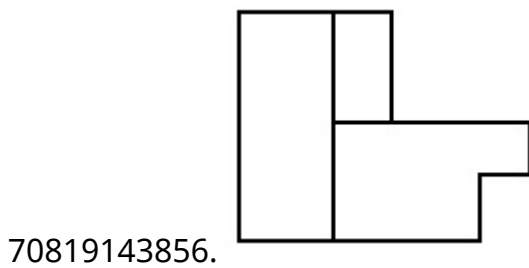
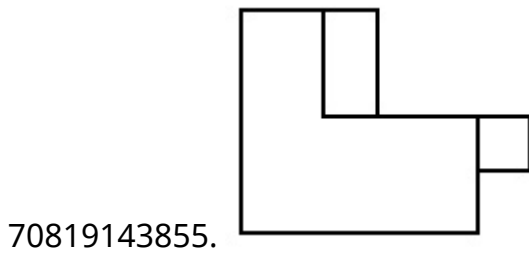
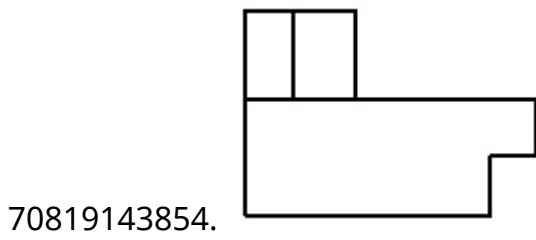
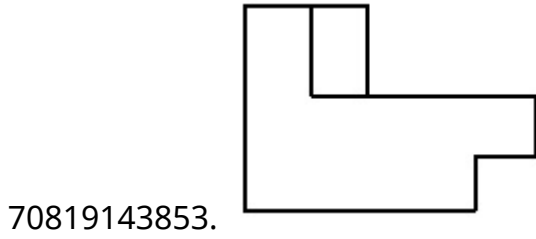
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

3-ਡੀ ਚਿੱਤਰ ਕਿਸੇ ਵਸਤੂ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਇਸ ਵਸਤੂ ਦਾ ਸਹੀ ਦ੍ਰਿਸ਼ ਦਿਖਾਉਂਦਾ ਹੈ, ਜੇ ਉਸਨੂੰ ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵੱਲੋਂ ਦੇਖਿਆ ਜਾਵੇਗਾ ।

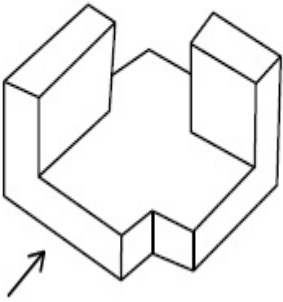


**Options :**

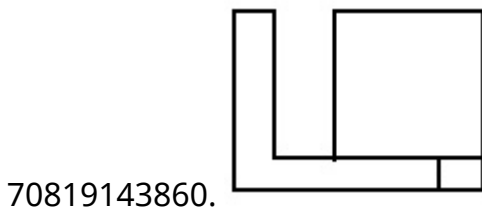
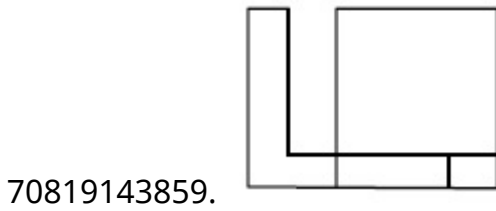
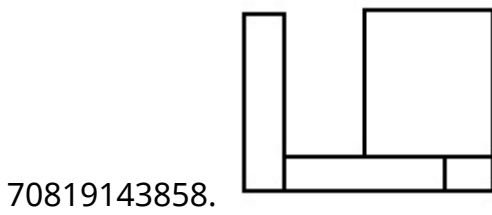
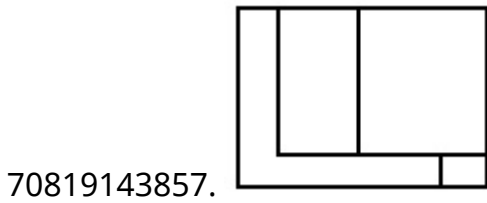


**Correct Marks : 4 Wrong Marks : 1**

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



**Options :**

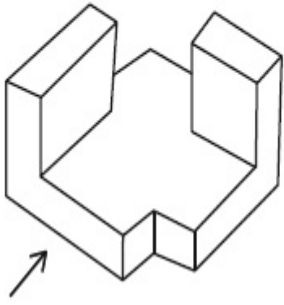


**Question Number : 70 Question Id : 70819113283 Question Type : MCQ Option Shuffling : Yes**

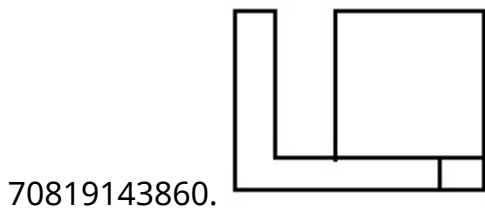
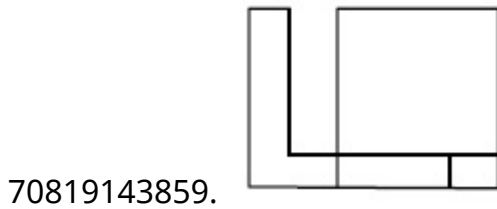
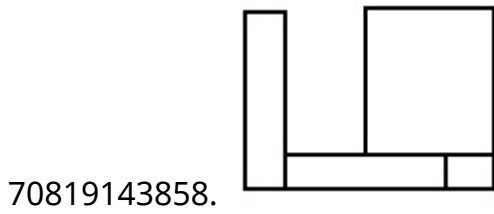
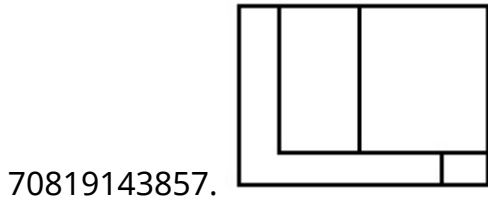
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

3-ਡੀ ਚਿੱਤਰ ਕਿਸੇ ਵਸਤੂ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਇਸ ਵਸਤੂ ਦਾ ਸਹੀ ਦ੍ਰਿਸ਼ ਦਿਖਾਉਂਦਾ ਹੈ, ਜੇ ਉਸਨੂੰ ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵੱਲੋਂ ਦੇਖਿਆ ਜਾਵੇਗਾ ।



**Options :**

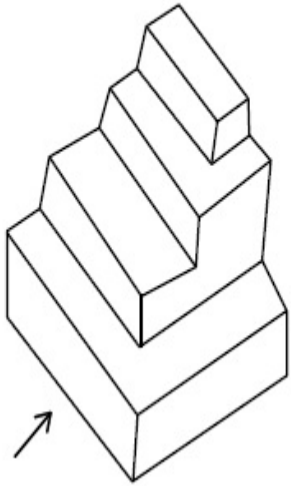


**Question Number : 71 Question Id : 70819113284 Question Type : MCQ Option Shuffling : Yes**

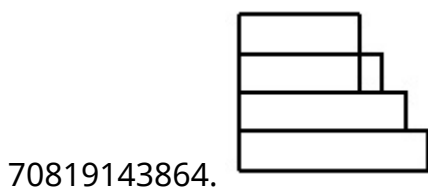
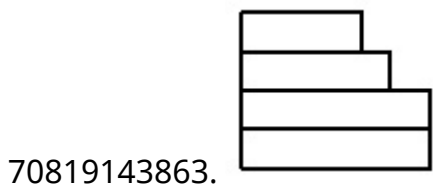
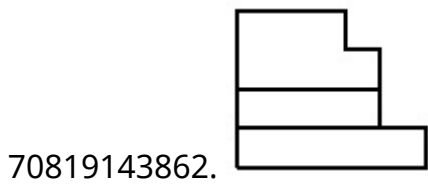
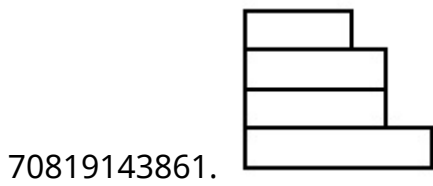
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



**Options :**

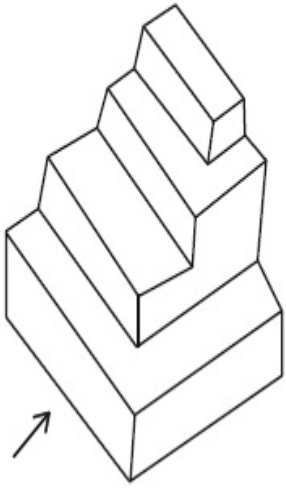


**Question Number : 71 Question Id : 70819113284 Question Type : MCQ Option Shuffling : Yes**

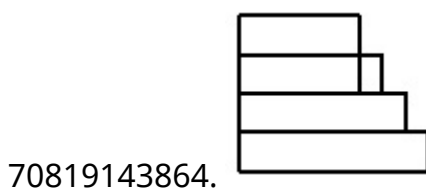
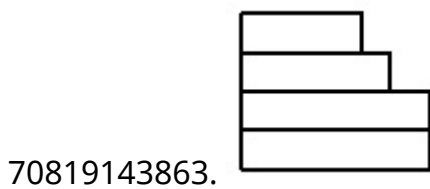
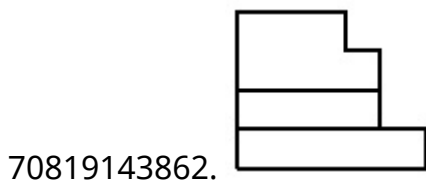
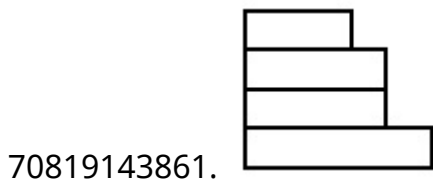
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

3-ਡੀ ਚਿੱਤਰ ਕਿਸੇ ਵਸਤੂ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਇਸ ਵਸਤੂ ਦਾ ਸਹੀ ਦ੍ਰਿਸ਼ ਦਿਖਾਉਂਦਾ ਹੈ, ਜੇ ਉਸਨੂੰ ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵੱਲੋਂ ਦੇਖਿਆ ਜਾਵੇਗਾ।



**Options :**

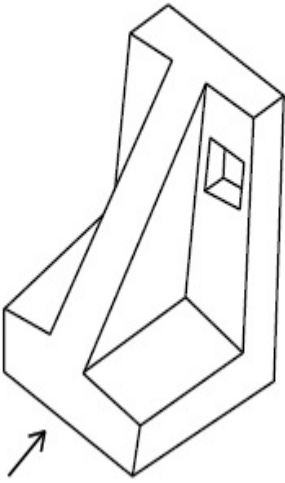


**Question Number : 72 Question Id : 70819113285 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

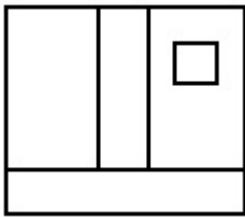
**Correct Marks : 4 Wrong Marks : 1**

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

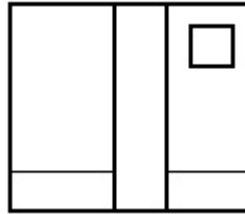


Options :

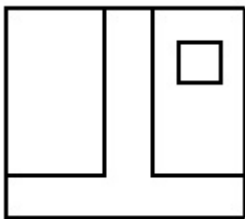
70819143865.



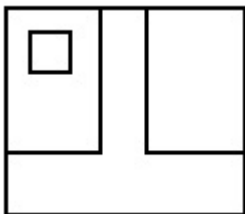
70819143866.



70819143867.



70819143868.

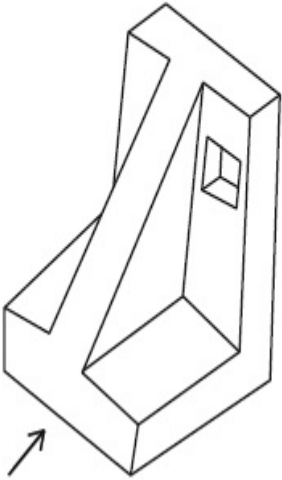




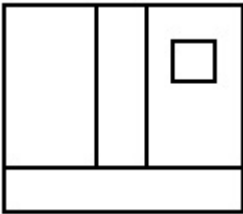
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

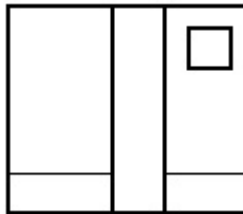
3-ਡੀ ਚਿੱਤਰ ਕਿਸੇ ਵਸਤੂ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਇਸ ਵਸਤੂ ਦਾ ਸਹੀ ਦ੍ਰਿਸ਼ ਦਿਖਾਉਂਦਾ ਹੈ, ਜੇ ਉਸਨੂੰ ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵੱਲੋਂ ਦੇਖਿਆ ਜਾਵੇਗਾ।



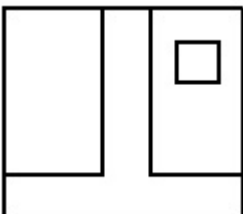
**Options :**



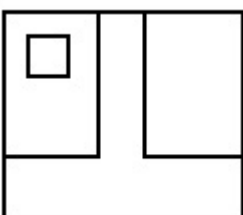
70819143865.



70819143866.



70819143867.



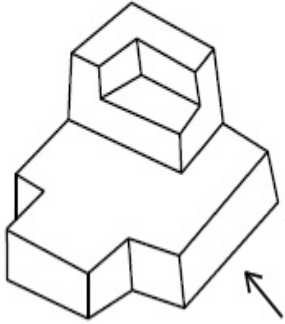
70819143868.

Question Number : 73 Question Id : 70819113286 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

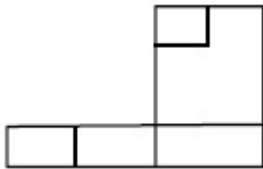
Correct Marks : 4 Wrong Marks : 1

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

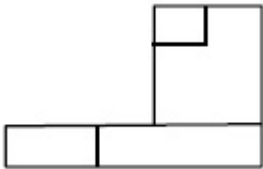


Options :

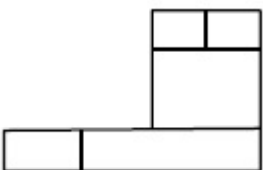
70819143869.



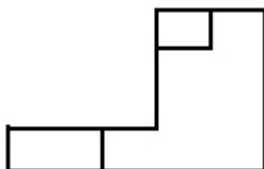
70819143870.



70819143871.



70819143872.

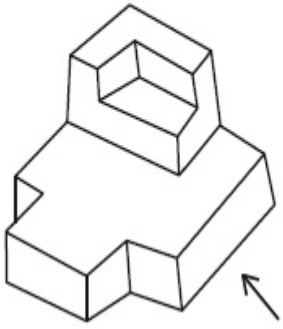


Question Number : 73 Question Id : 70819113286 Question Type : MCQ Option Shuffling : Yes

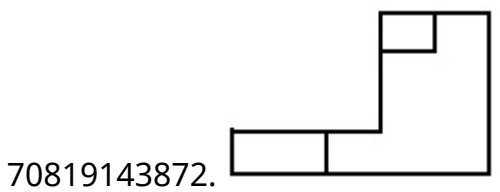
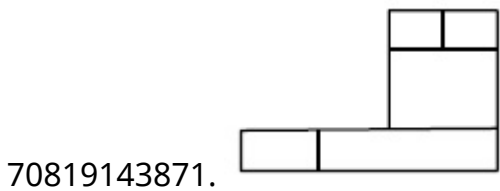
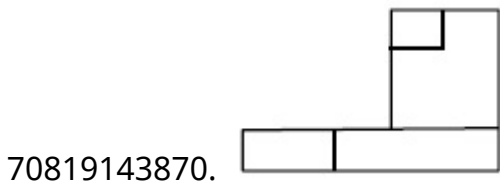
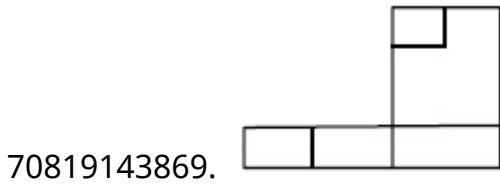
Is Question Mandatory : No

**Correct Marks : 4 Wrong Marks : 1**

3-ਡੀ ਚਿੱਤਰ ਕਿਸੇ ਵਸਤੂ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਇਸ ਵਸਤੂ ਦਾ ਸਹੀ ਦ੍ਰਿਸ਼ ਦਿਖਾਉਂਦਾ ਹੈ, ਜੇ ਉਸਨੂੰ ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵੱਲੋਂ ਦੇਖਿਆ ਜਾਵੇ।



**Options :**

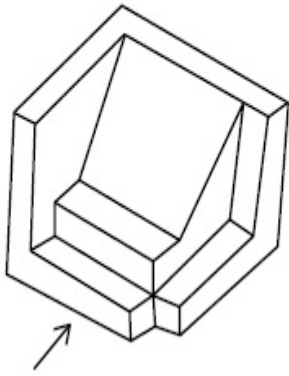


**Question Number : 74 Question Id : 70819113287 Question Type : MCQ Option Shuffling : Yes**

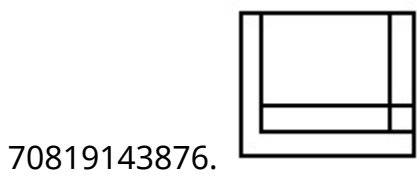
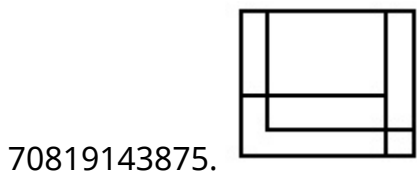
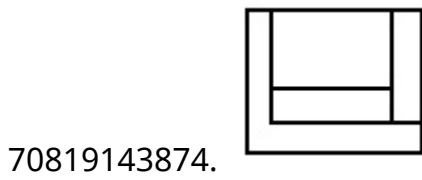
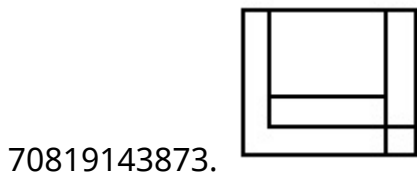
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



**Options :**

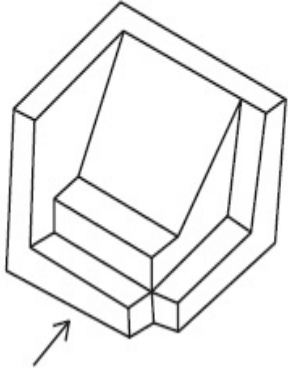


**Question Number : 74 Question Id : 70819113287 Question Type : MCQ Option Shuffling : Yes**

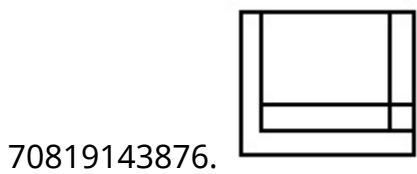
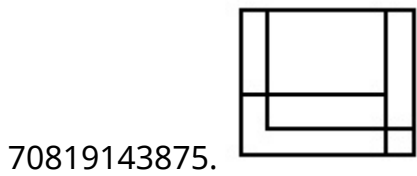
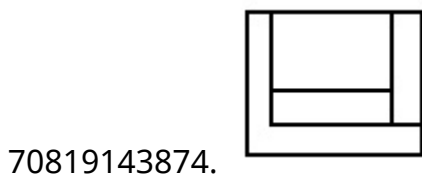
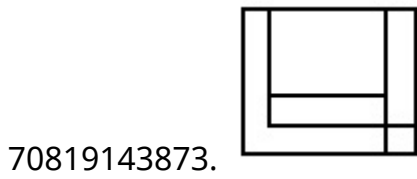
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

3-ਡੀ ਚਿੱਤਰ ਕਿਸੇ ਵਸਤੂ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਇਸ ਵਸਤੂ ਦਾ ਸਹੀ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ, ਜੇ ਉਸਨੂੰ ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵੱਲੋਂ ਦੇਖਿਆ ਜਾਵੇਗਾ।



**Options :**

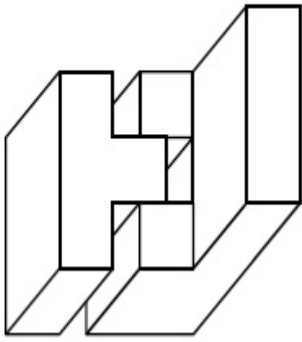


**Question Number : 75 Question Id : 70819113288 Question Type : MCQ Option Shuffling : Yes**

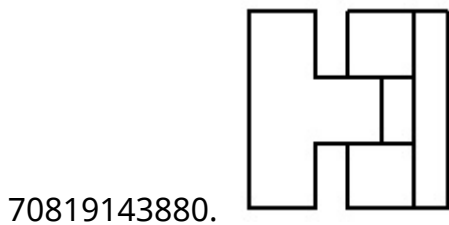
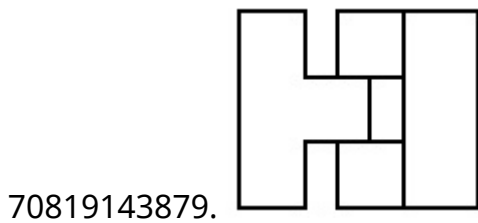
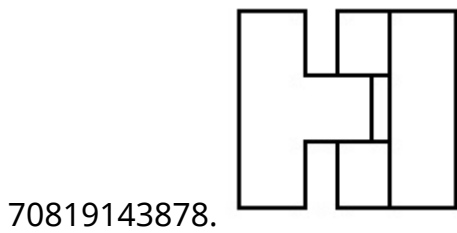
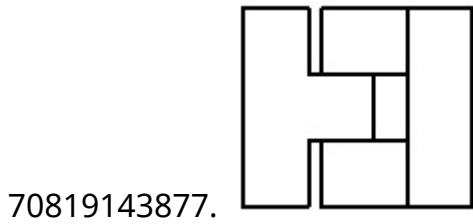
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The 3D figure shows the view of an object. Identify the correct top view, amongst the answer figures.



Options :

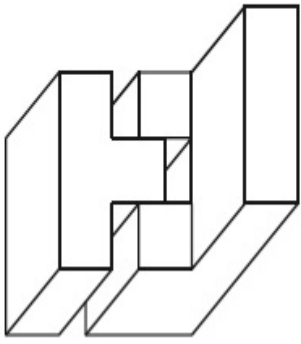


Question Number : 75 Question Id : 70819113288 Question Type : MCQ Option Shuffling : Yes

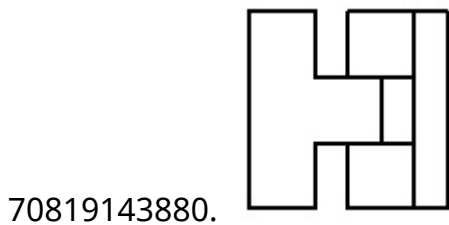
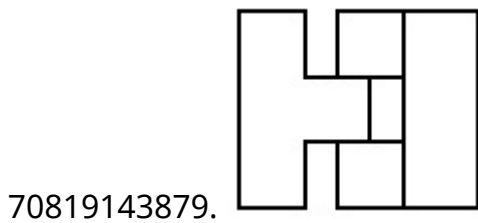
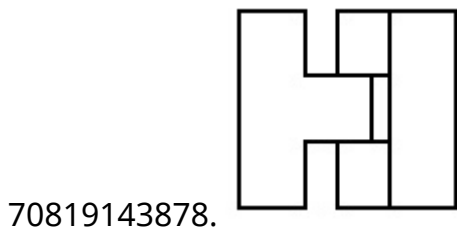
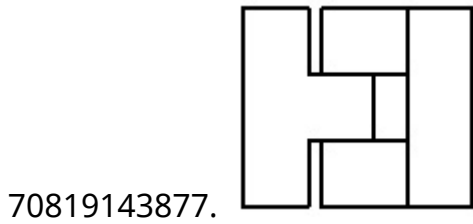
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

3-ਡੀ ਚਿੱਤਰ ਕਿਸੇ ਚੀਜ਼ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਇੰਨਾਂ ਵਿਚੋਂ ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਇਸ ਚੀਜ਼ ਦਾ ਸਹੀ ਚੋਟੀ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ।



Options :

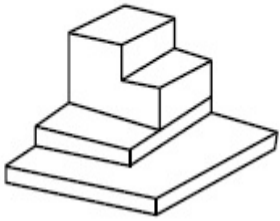


Question Number : 76 Question Id : 70819113289 Question Type : MCQ Option Shuffling : Yes

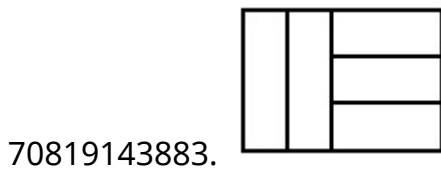
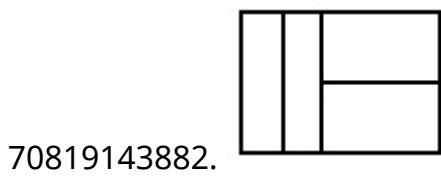
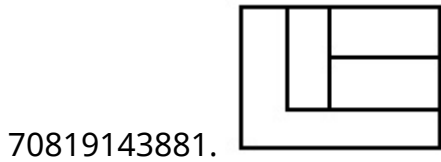
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The 3D figure shows the view of an object. Identify the correct top view, amongst the answer figures.



Options :

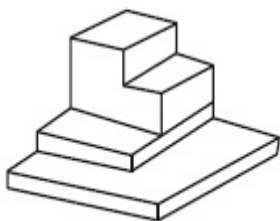


Question Number : 76 Question Id : 70819113289 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

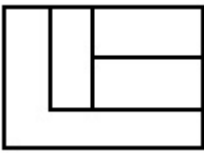
3-ਡੀ ਚਿੱਤਰ ਕਿਸੇ ਚੀਜ਼ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਇੰਨਾਂ ਵਿਚੋਂ ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਇਸ ਚੀਜ਼ ਦਾ ਸਹੀ ਚੋਟੀ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ।



Options :



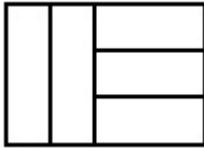
70819143881.



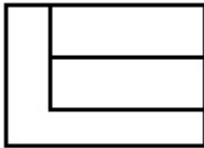
70819143882.



70819143883.



70819143884.

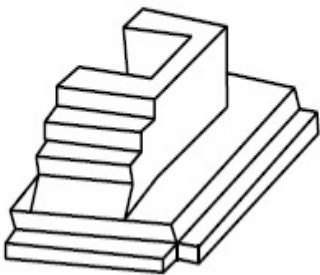


**Question Number : 77 Question Id : 70819113290 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

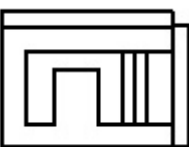
**Correct Marks : 4 Wrong Marks : 1**

The 3D figure shows the view of an object. Identify the correct top view, amongst the answer figures.

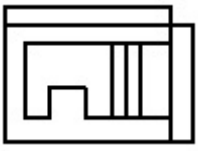


**Options :**

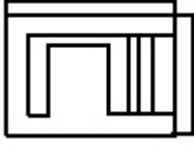
70819143885.



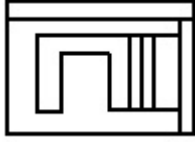
70819143886.



70819143887.



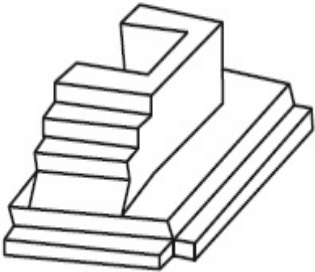
70819143888.



**Question Number : 77 Question Id : 70819113290 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

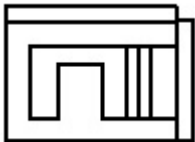
**Correct Marks : 4 Wrong Marks : 1**

3-ਡੀ ਚਿੱਤਰ ਕਿਸੇ ਚੀਜ਼ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਇੰਨਾਂ ਵਿਚੋਂ ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਇਸ ਚੀਜ਼ ਦਾ ਸਹੀ ਚੋਟੀ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ।

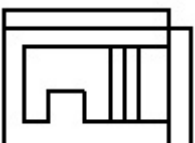


**Options :**

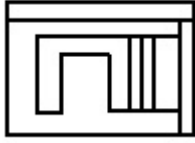
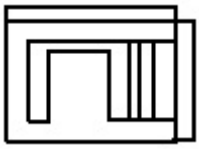
70819143885.



70819143886.



70819143887.



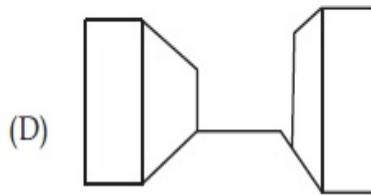
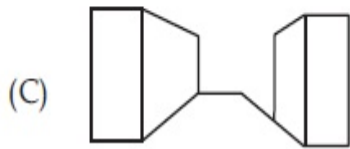
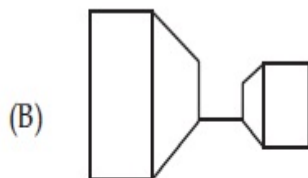
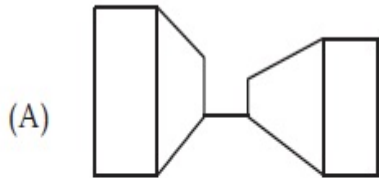
70819143888.

**Question Number : 78 Question Id : 70819113291 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Identify the building compositions of having less visual tension amongst the following figures.



**Options :**

70819143889. (A) and (B)

70819143890. (B) and (C)

70819143891. (C) and (D)

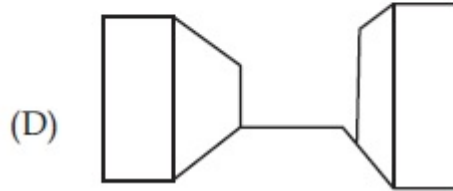
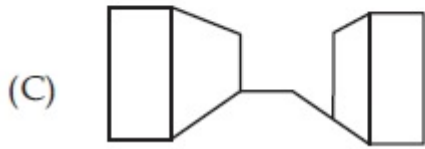
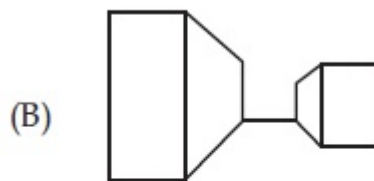
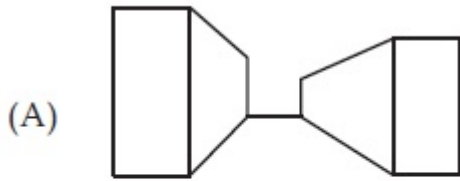
70819143892. (D) and (A)

**Question Number : 78 Question Id : 70819113291 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਪਛਾਣ ਕਰੋ, ਹੇਠ ਦਿੱਤੀ ਕਿਹੜੀ ਇਮਾਰਤੀ ਰਚਨਾਵਾਂ ਵਿੱਚੋਂ ਦੇਖਣ ਸੰਬੰਧੀ (Visual) ਘੱਟ ਤਨਾਵ ਹੈ ?



**Options :**

70819143889. (A) ਅਤੇ (B)

70819143890. (B) ਅਤੇ (C)

70819143891. (C) ਅਤੇ (D)

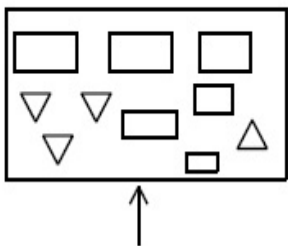
70819143892. (D) ਅਤੇ (A)

**Question Number : 79 Question Id : 70819113292 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

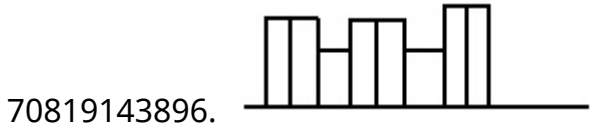
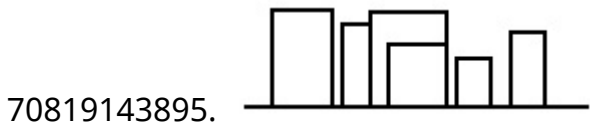
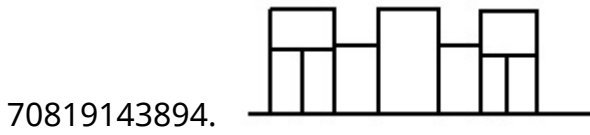
**Correct Marks : 4 Wrong Marks : 1**

The problem figure shows the top view of an object. Identify the correct elevation amongst the answer figures looking in the direction of arrow.



**Options :**



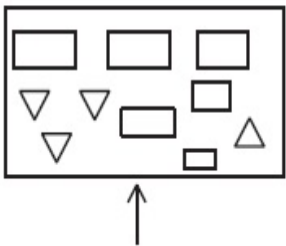


**Question Number : 79 Question Id : 70819113292 Question Type : MCQ Option Shuffling : Yes**

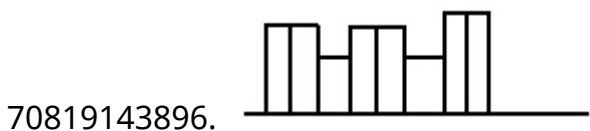
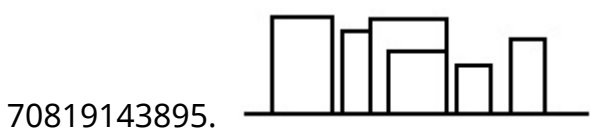
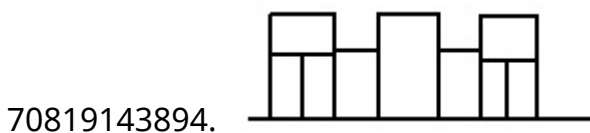
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਸਵਾਲ ਚਿੱਤਰ ਕਿਸੇ ਚੀਜ਼ ਦਾ ਚੋਟੀ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਇੰਨਾਂ ਵਿੱਚੋਂ ਪਛਾਣੋ ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਇਸ ਚੀਜ਼ ਦੇ ਸਾਹਮਣੇ ਦਾ ਦ੍ਰਿਸ਼ (ਐਲੀਵੇਸ਼ਨ ) ਦਿਖਾ ਰਿਹਾ ਹੈ, ਜੇ ਉਸਨੂੰ ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵੱਲੋਂ ਦੇਖਿਆ ਜਾਵੇਗਾ ।



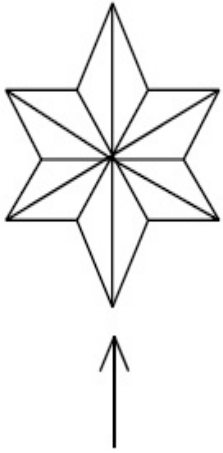
**Options :**



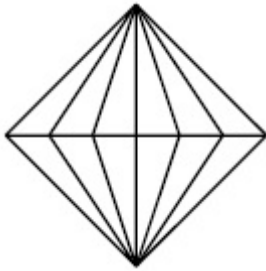
Question Number : 80 Question Id : 70819113293 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

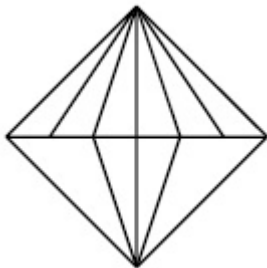
The problem figure shows the top view of an object. Identify the correct elevation amongst the answer figures looking in the direction of arrow.



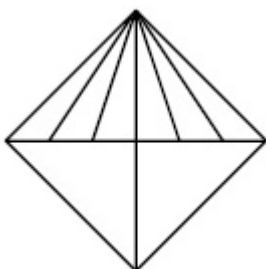
Options :



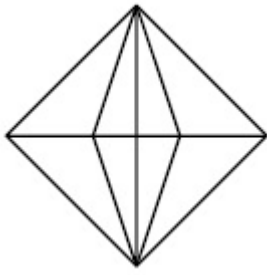
70819143897.



70819143898.



70819143899.



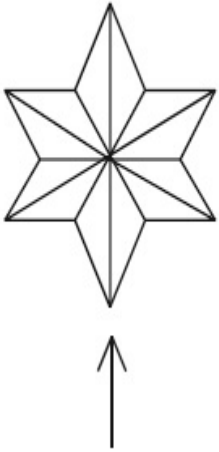
70819143900.

**Question Number : 80 Question Id : 70819113293 Question Type : MCQ Option Shuffling : Yes**

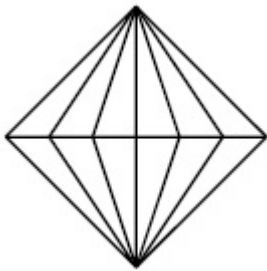
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

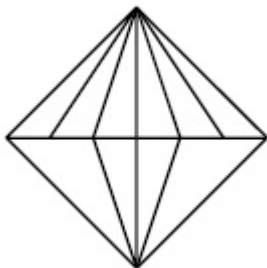
ਸਵਾਲ ਚਿੱਤਰ ਕਿਸੇ ਵਸਤੂ ਦਾ ਚੋਟੀ ਦਾ ਦ੍ਰਿਸ਼ ਦਿਖਾ ਰਿਹਾ ਹੈ । ਇੰਨਾਂ ਵਿੱਚੋਂ ਪਛਾਣੋ ਕਿਹੜਾ ਜਵਾਬ ਚਿੱਤਰ, ਇਸ ਵਸਤੂ ਦੇ ਸਾਹਮਣੇ ਦਾ ਦ੍ਰਿਸ਼ (ਐਲੀਵੇਸ਼ਨ ) ਦਿਖਾਉਂਦਾ ਹੈ, ਜੇ ਉਸਨੂੰ ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵੱਲੋਂ ਦੇਖਿਆ ਜਾਵੇਗਾ ।



**Options :**

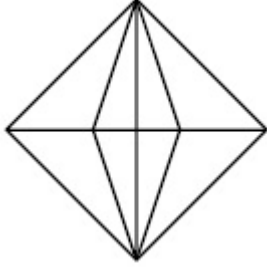
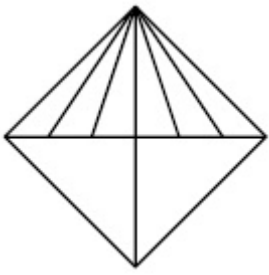


70819143897.



70819143898.

70819143899.



70819143900.

## Planning

|  |           |
|--|-----------|
| <b>Section Id :</b>                          | 708191461 |
| <b>Section Number :</b>                      | 4         |
| <b>Section type :</b>                        | Online    |
| <b>Mandatory or Optional :</b>               | Mandatory |
| <b>Number of Questions :</b>                 | 25        |
| <b>Number of Questions to be attempted :</b> | 25        |
| <b>Section Marks :</b>                       | 100       |
| <b>Mark As Answered Required? :</b>          | Yes       |
| <b>Sub-Section Number :</b>                  | 1         |
| <b>Sub-Section Id :</b>                      | 708191741 |
| <b>Question Shuffling Allowed :</b>          | Yes       |

**Question Number : 81 Question Id : 70819113294 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of these industries did not exist in London before the first world war ?



**Options :**

70819143901. Automobile

70819143902. Clothing and Textile

70819143903. Printing

70819143904. Iron and Steel

**Question Number : 81 Question Id : 70819113294 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਪਹਿਲੇ ਵਿਸ਼ਵ ਯੁਧ ਤੋਂ ਪਹਿਲਾਂ ਲੰਡਨ ਵਿੱਚ ਕਿਹੜੇ ਕਾਰਖਾਨੇ ਨਹੀਂ ਸਨ ?

**Options :**

70819143901. ਮੋਟਰ ਗੱਡੀ

70819143902. ਕਪੜੇ ਦਿਆਂ ਮਿਲਾਂ

70819143903. ਛਾਪਾਖਾਨਾ

70819143904. ਲੋਹੇਂ ਅਤੇ ਸਟੀਲ

**Question Number : 82 Question Id : 70819113295 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A carbon footprint is the amount of \_\_\_\_\_ released into the atmosphere.

**Options :**

70819143905. Nitrogen

70819143906. Greenhouse gas

70819143907. Ozone

70819143908. Suspended Particulate Matter (SPM)

**Question Number : 82 Question Id : 70819113295 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਕਾਰਬਨ ਦੇ ਪਦ ਚਿਨ੍ਹਾਂ \_\_\_\_\_ ਮਾਤਰਾ ਵਿੱਚ (ਵਾਯੂ ਮੰਡਲ) ਛੱਡੀਆਂ ਜਾਣ ਵਾਲੇ ।

**Options :**

70819143905. ਨਾਈਟ੍ਰੋਜਨ

70819143906. ਗਰੀਨ ਹਾਊਸ ਗੈਸਾਂ

70819143907. ਔਜ਼ੋਨ

70819143908. ਹਵਾ ਵਿੱਚ ਲਟਕਦੇ ਕਣ (SPM)

**Question Number : 83 Question Id : 70819113296 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

- A. KodaiKanal
- B. Kullu
- C. Mount Abu
- D. Panchgani
- E. Pahalgam

Arrange the above hill stations in the correct sequence from south to north in India.

Choose the correct answer from the options given below :

**Options :**

70819143909.  $E \rightarrow D \rightarrow B \rightarrow A \rightarrow C$

70819143910.  $E \rightarrow B \rightarrow C \rightarrow D \rightarrow A$

70819143911.  $C \rightarrow A \rightarrow B \rightarrow D \rightarrow E$

70819143912.  $A \rightarrow D \rightarrow C \rightarrow B \rightarrow E$

**Question Number : 83 Question Id : 70819113296 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਹੇਠ ਲਿਖੇ ਪਹਾੜੀ ਸਹਿਰਾਂ ਨੂੰ ਸਹੀ ਤਰਤੀਬ ਵਿੱਚ ਦੱਖਣ ਤੋਂ ਉੱਤਰ ਵੱਲ ਲਗਾਉ

- A. ਕੋਡੀਕਨਾਲ
- B. ਕੁੱਲੂ
- C. ਮਾਊਂਟ ਆਬੂ
- D. ਪੰਚਗਣੀ
- E. ਪਹਿਲਗਾਮ

ਹੇਠ ਲਿਖਿਆ ਚੌਂ ਢੁੱਕਵਾਂ ਉੱਤਰ ਚੁਣੋ ।

**Options :**

70819143909.  $E \rightarrow D \rightarrow B \rightarrow A \rightarrow C$

70819143910.  $E \rightarrow B \rightarrow C \rightarrow D \rightarrow A$

70819143911.  $C \rightarrow A \rightarrow B \rightarrow D \rightarrow E$

70819143912.  $A \rightarrow D \rightarrow C \rightarrow B \rightarrow E$

**Question Number : 84 Question Id : 70819113297 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Planning Commission in India has been replaced by :

**Options :**

70819143913. Mo HUA

70819143914. NITI Aayog

70819143915. NIUA

70819143916. PFI

**Question Number : 84 Question Id : 70819113297 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਯੋਜਨਾ ਆਯੋਗ ਦੀ ਥਾਂ ਤੇ ਭਾਰਤ ਵਿੱਚ ਬਦਲ ਕੇ :

**Options :**

70819143913. Mo HUA

70819143914. ਨੀਤੀ ਆਯੋਗ (NITI Aayog)

70819143915. NIUA

70819143916. PFI

**Question Number : 85 Question Id : 70819113298 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

When was the special Economic Zone's Act enacted in India ?

**Options :**

70819143917. 2005

70819143918. 2007

70819143919. 2009

70819143920. 2011

**Question Number : 85 Question Id : 70819113298 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਵਿਸ਼ੇਸ਼ ਆਰਥਿਕ ਖੇਤਰ ਦਾ ਕਾਨੂੰਨ ਭਾਰਤ ਵਿੱਚ ਕਿਸ ਸਾਲ ਵਿੱਚ ਲਾਗੂ ਹੋਇਆ ?

**Options :**

70819143917. 2005

70819143918. 2007

70819143919. 2009

70819143920. 2011

**Question Number : 86 Question Id : 70819113299 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the full form of NHAI ? Choose the correct answer.

**Options :**

70819143921. National Horticulture Association of India.

70819143922. National Heritage Authority of India.

70819143923. National Hydroelectric Power Authority of India.

70819143924. National Highway Authority of India.

**Question Number : 86 Question Id : 70819113299 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

NHAI ਦੀ ਪੂਰਾ ਨਾਂਅ ਕੀ ਹੈ ਸਹੀ ਉੱਤਰ ਦੀ ਚੋਣ ਕਰੋ

**Options :**

70819143921. National Horticulture Association of India.

70819143922. National Heritage Authority of India.

70819143923. National Hydroelectric Power Authority of India.

70819143924. National Highway Authority of India.

**Question Number : 87 Question Id : 70819113300 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

How many Sustainable Development Goals were adopted by the United Nations ?

**Options :**

70819143925. 15

70819143926. 16

70819143927. 17

70819143928. 18

**Question Number : 87 Question Id : 70819113300 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਯੂਨਾਈਟਿਡ ਨੇਸ਼ਨ (United Nations) ਨੇ ਵਿਕਾਸ ਦੇ ਕਿਨ੍ਹੇ ਟਿਚੇ ਮਿੱਥੇ ਹਨ ?

**Options :**

70819143925. 15

70819143926. 16

70819143927. 17

70819143928. 18

**Question Number : 88 Question Id : 70819113301 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In which year, the first industrial policy by Government of India was announced ?

**Options :**

70819143929. 1947

70819143930. 1948

70819143931. 1950

70819143932. 1949

**Question Number : 88 Question Id : 70819113301 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਭਾਰਤ ਸਰਕਾਰ ਵਲੋਂ ਕਿਹੜੇ ਸਾਲ ਵਿੱਚ ਪਹਿਲੀ ਉੱਧੋਗਾਇਕ ਨੀਤੀ ਐਲਾਣੀ ਗਈ ?

**Options :**

70819143929. 1947

70819143930. 1948

70819143931. 1950

70819143932. 1949

**Question Number : 89 Question Id : 70819113302 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Planning of Barcelona city in Spain is known for its :

**Options :**

70819143933. superblocks

70819143934. radial pattern

70819143935. high rise development

70819143936. waterbased transport

**Question Number : 89 Question Id : 70819113302 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



ਸਪੇਨ ਦੀ ਬਾਰਸੀਲੋਨਾ ਸ਼ਹਿਰ ਦੀ ਯੋਜਨਾ ਇਸਦੀ \_\_\_\_\_ ਜਾਣਿਆ ਜਾਂਦਾ ਹੈ ।

**Options :**

70819143933. ਵੱਡਾ ਝੁੰਡ

70819143934. ਅਰਧ ਵਿਆਸੀ ਤਰੀਕਾ/ਨਮੂਨਾ

70819143935. ਬਹੁਤ ਉੱਚੀ ਤੱਰਕੀ

70819143936. ਪਾਣੀ ਆਧਾਰਿਤ ਪਰਿਵਹਿਨ

**Question Number : 90 Question Id : 70819113303 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of these is not an industrial city ?

**Options :**

70819143937. Durgapur

70819143938. Vishakhapatnam

70819143939. Bhubaneswar

70819143940. Bhilai

**Question Number : 90 Question Id : 70819113303 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਇਨ੍ਹਾਂ ਵਿੱਚੋਂ ਕਿਹੜੀ ਇੱਕ ਉਦਯੋਗਿਕ ਨਗਰੀ ਨਹੀਂ ਹੈ ?

**Options :**

70819143937. ਦੁਰਗਾਪੁਰ

70819143938. ਵਿਸਾਖਾਪਟਨਮ

70819143939. ਭੁਵਨੇਸ਼ਵਰ

70819143940. ਭਿਲਾਈ

**Question Number : 91 Question Id : 70819113304 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of these schemes / programmes by Government of India is linked to heritage cities ?

**Options :**

70819143941. AMRUT

70819143942. Make in India

70819143943. HRIDAY

70819143944. UDAY

**Question Number : 91 Question Id : 70819113304 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਭਾਰਤ ਸਰਕਾਰ ਦਿਆਂ ਕਿਹੜੇ/ਕਿਹੜੀਆਂ ਸਕੀਮਾਂ/ਪ੍ਰੋਗ੍ਰਾਮ ਵਿਗਾਸਤੀ ਸ਼ਹਿਰਾਂ ਨਾਲ ਜੁੜੇ ਹੋਏ ਹਨ ?

**Options :**

70819143941. AMRUT

70819143942. Make in India

70819143943. HRIDAY

70819143944. UDAY

**Question Number : 92 Question Id : 70819113305 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which one of the following south Indian states has the highest ground water utilization (in percent) of its total groundwater potential ?

**Options :**

70819143945. Tamil Nadu

70819143946. Karnataka

70819143947. Andhra Pradesh

70819143948. Kerala

**Question Number : 92 Question Id : 70819113305 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਕਿਹੜੇ ਦੱਖਣੀ ਭਾਰਤ ਰਾਜ ਵਿੱਚ ਪਾਣੀ ਦੀ ਵਰਤੋਂ (%ਵਿੱਚ) ਇਸਦੀ ਛਮਤਾ ਦੇ ਮੁਕਾਬਲੇ ਸਭ ਤੋਂ ਵੱਧ ਹੈ ?

**Options :**

70819143945. ਤਾਮਿਲਨਾਡੂ

70819143946. ਕਰਨਾਟਕਾ

70819143947. ਆਂਧਰਾ ਪ੍ਰਦੇਸ਼

70819143948. ਕੇਰਲਾ

**Question Number : 93 Question Id : 70819113306 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Survey of India was established in :

**Options :**

70819143949. 1886

70819143950. 1876

70819143951. 1866

70819143952. 1896

**Question Number : 93 Question Id : 70819113306 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਭਾਰਤੀਅ ਸਰਵੇਖਣ ਕਿਹੜੇ ਸਾਲ ਵਿੱਚ ਸਥਾਪਿਤ ਹੋਇਆ ?

**Options :**

70819143949. 1886

70819143950. 1876

70819143951. 1866

70819143952. 1896

**Question Number : 94 Question Id : 70819113307 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

As per 73<sup>rd</sup> amendment act (73<sup>rd</sup> CAA) 1992 first time one third (1/3) reservation for women was provided in which of the following ?

**Options :**

70819143953. Lok Sabha

70819143954. State Legislative Assembly

70819143955. Cabinets

70819143956. Panchayati Raj bodies

**Question Number : 94 Question Id : 70819113307 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

73 ਵੇਂ ਸੁਧਾਰ ਐਕਟ (Amendment Act) (73<sup>rd</sup> CAA) ਮੁਤਾਬਿਕ 1992 ਵਿੱਚ ਪਹਿਲੀ ਬਾਰ ਕਿਹੜੀ ਸੰਸਥਾ ਵਿੱਚ ਮਹਿਲਾਵਾਂ ਲਈ ਤੀਜਾ ਹਿੱਸਾ (1/3) ਸੀਟਾਂ ਦਾ ਰਾਖਵਾਂਕਰਣ ਕੀਤਾ ਗਿਆ ਹੈ ?

**Options :**

70819143953. ਲੋਕ ਸਭਾ

70819143954. ਰਾਜ ਦੇ ਉਪਰਲੇ ਸਦਨ ਵਿੱਚ

70819143955. ਕੈਬਨਿਟ

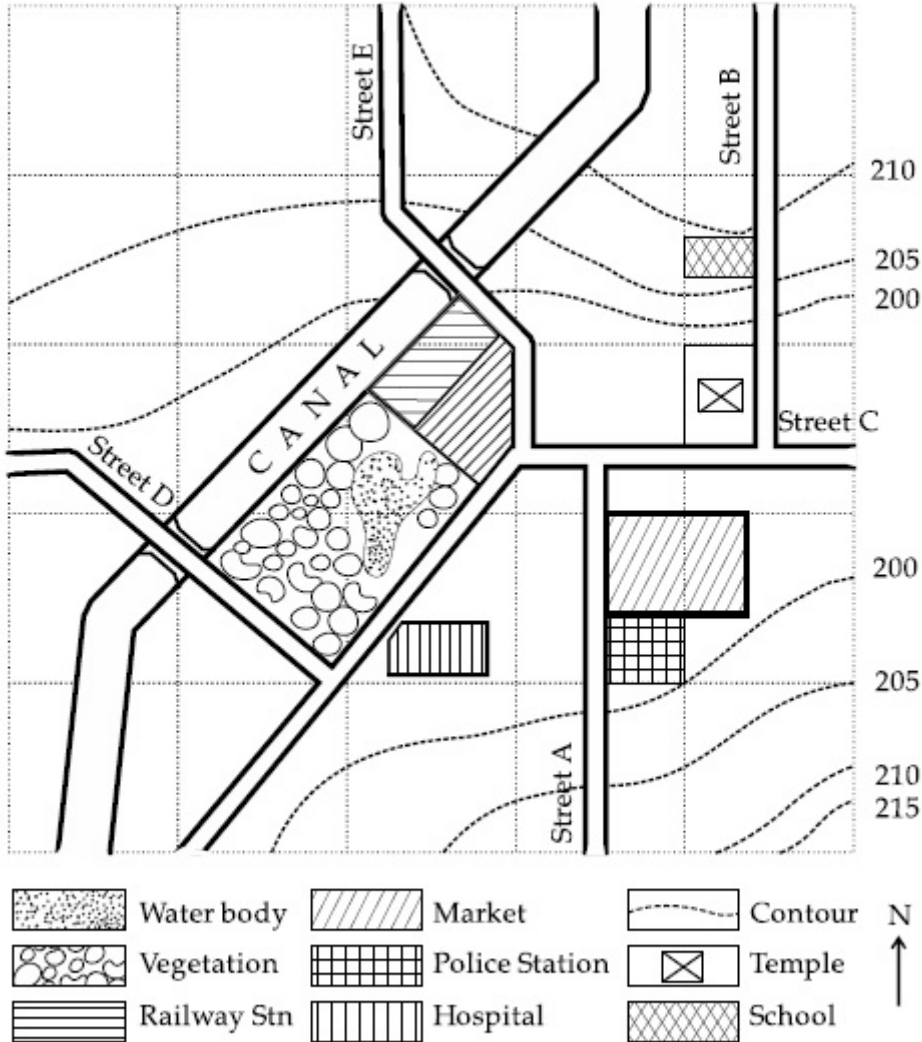
70819143956. ਪੰਚਾਇਤੀ ਰਾਜ ਸੰਸਥਾਵਾਂ

Question Number : 95 Question Id : 70819113308 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Map Reading.



With reference to the diagram, choose the correct statement.

Options :

70819143957. Slope of land on which school is located is flatter than the slope of land on which hospital is located.

70819143958. Slope of land on which police station is located is steeper than the slope of land on which school is located.

70819143959. Slope of land on which school is located is steeper than the slope of land on which temple is located.

Slope of land on which school is located is the same as the slope of land on which temple is located.

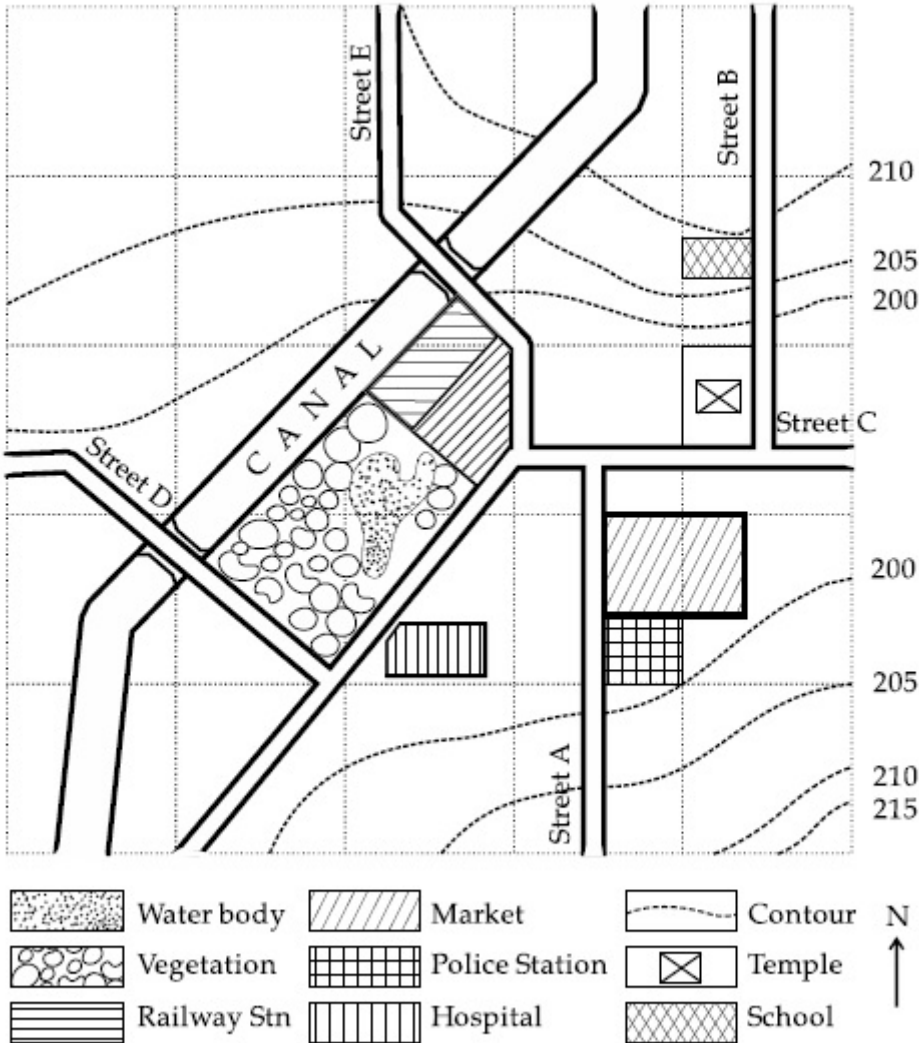
70819143960.

Question Number : 95 Question Id : 70819113308 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Map Reading



ਉੱਪਰ ਦਿਤੇ ਚਿੱਤਰ ਨੂੰ ਦੇਖ ਸਹੀ ਉੱਤਰ ਦੀ ਚੋਣ ਕਰੋ -

Options :

70819143957. ਸਕੂਲ ਦੀ ਜਗ੍ਹਾ ਦੀ ਢਾਲ ਜ਼ਿਆਦਾ ਸਿੱਧੀ ਹੈ, ਜਿਸ ਜਗ੍ਹਾ ਵਿੱਚ ਹਸਪਤਾਲ ਸਥਿਤ ਹੈ ।

70819143958. ਪੁਲਿਸ ਥਾਨਾ ਦੀ ਜਗ੍ਹਾ ਠਾਲੋਂ ਜ਼ਿਆਦਾ ਉੱਚੀ ਹੈ ਜਿਥੇ ਸਕੂਲ ਸਥਿਤ ਹੈ ।

70819143959. ਸਕੂਲ ਦੀ ਜਗ੍ਹਾ ਜ਼ਿਆਦਾ ਉੱਚੀ ਹੈ ਜਿਥੇ ਮੰਦਰ ਸਥਿਤ ਹੈ।

ਸਕੂਲ ਅਤੇ ਮੰਦਰ ਦੋਨੋਂ ਇਕ ਢਲਾਣ ਤੇ ਸਥਿਤ ਹਨ ।

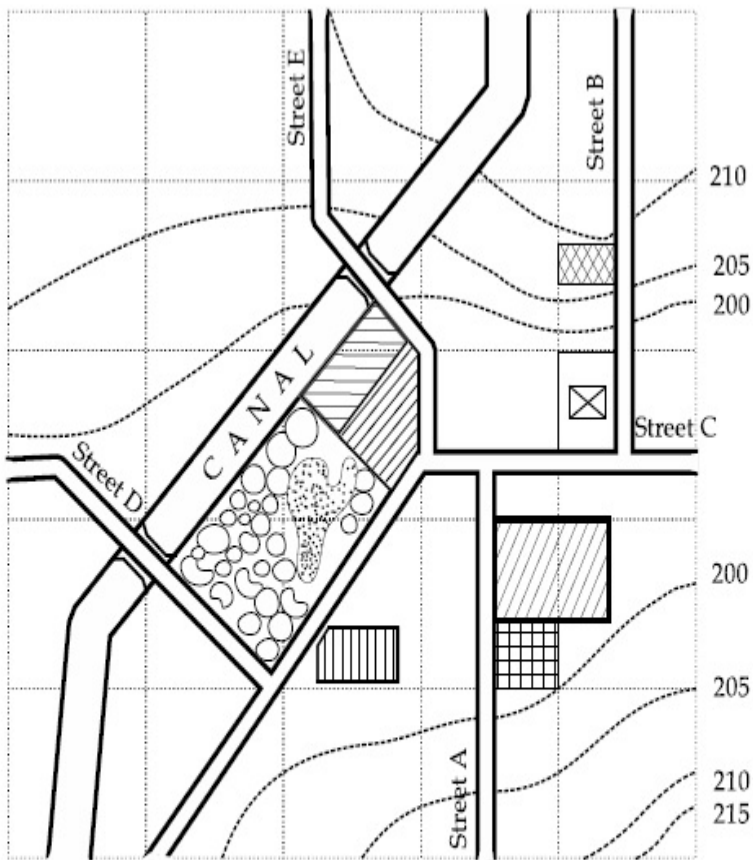
70819143960.

Question Number : 96 Question Id : 70819113309 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Map Reading.



In the given diagram, for a person to travel from railway station to temple, one will have to move in \_\_\_\_\_ direction.

Options :

70819143961. North

70819143962. North - East



70819143963. South - West

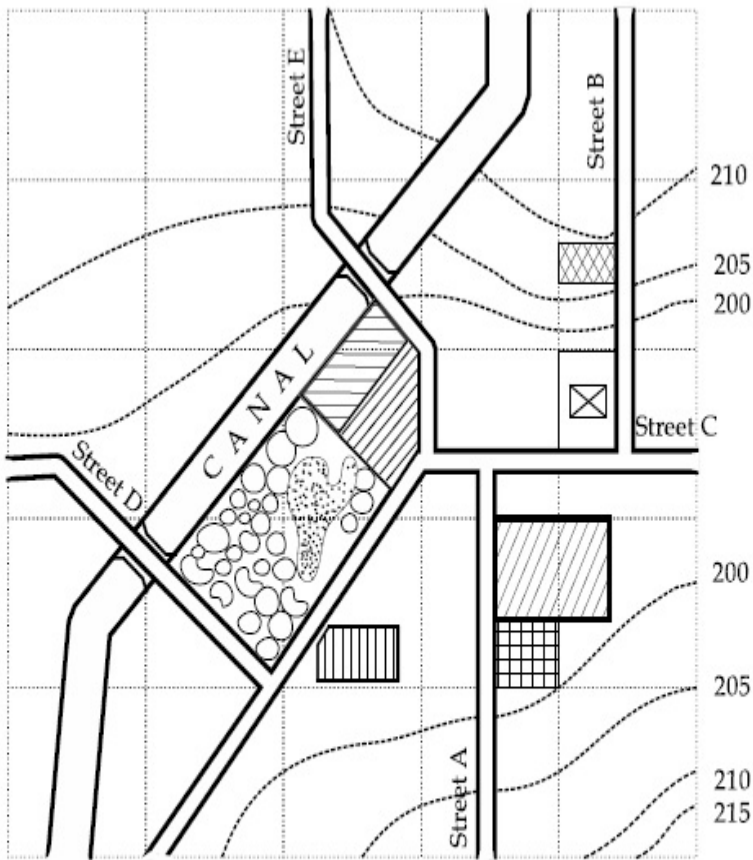
70819143964. East

Question Number : 96 Question Id : 70819113309 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Map Reading



ਉਪਰ ਵਾਲੇ ਚਿੱਤਰ ਅਨੁਸਾਰ ਕਿਸੇ ਆਦਮੀ ਨੂੰ ਰੇਲਵੇ ਸਟੇਸ਼ਨ ਤੋਂ ਮੰਦਰ ਵੱਲ ਜਾਣ ਲਈ ਕਿਹੜੀ ਦਿਸ਼ਾ ਵਿੱਚ ਜਾਣਾ ਪਵੇਗਾ ?

Options :

70819143961. ਉੱਤਰ

70819143962. ਉੱਤਰ-ਪੂਰਬ

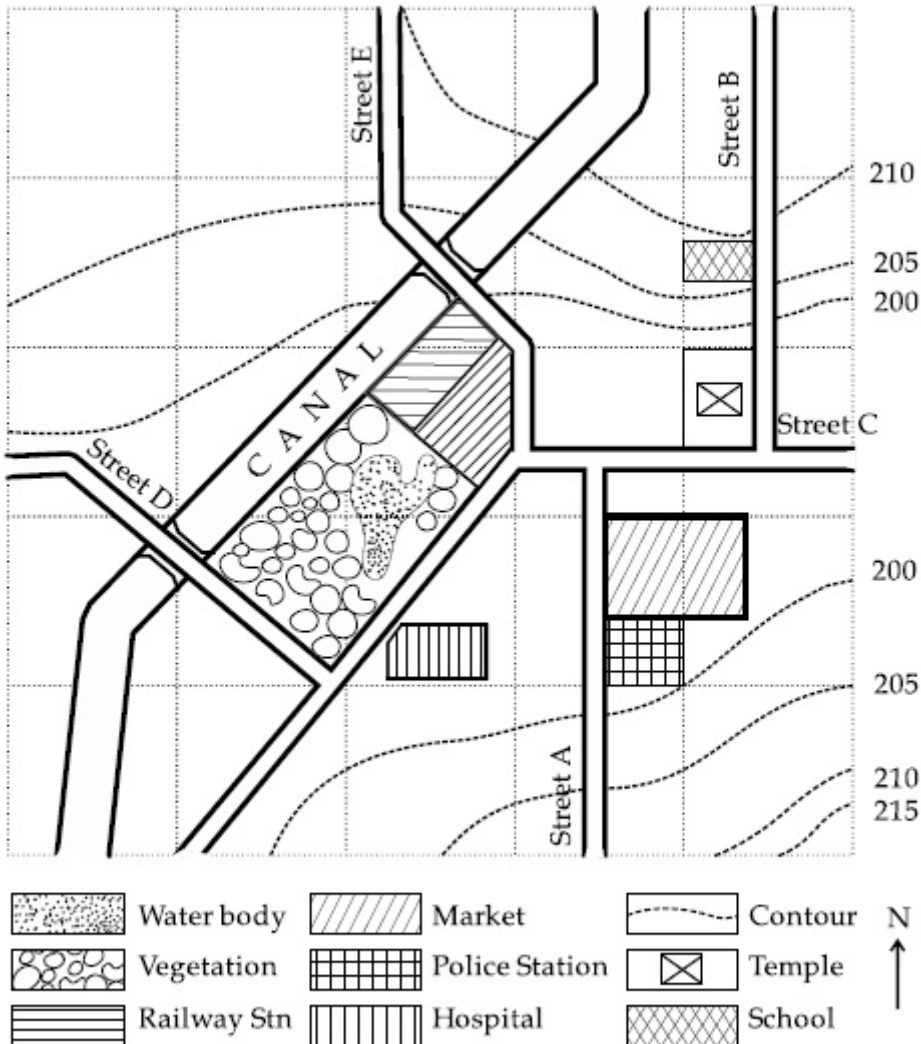
70819143963. ਦੱਖਣ-ਪੱਛਮ

70819143964. ਪੂਰਬ

Question Number : 97 Question Id : 70819113310 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Map Reading.



In the given diagram, water body is located at a level :

Options :

70819143965. 5 m higher than police station.

70819143966. 5 m higher than school.

70819143967. same level as police station.

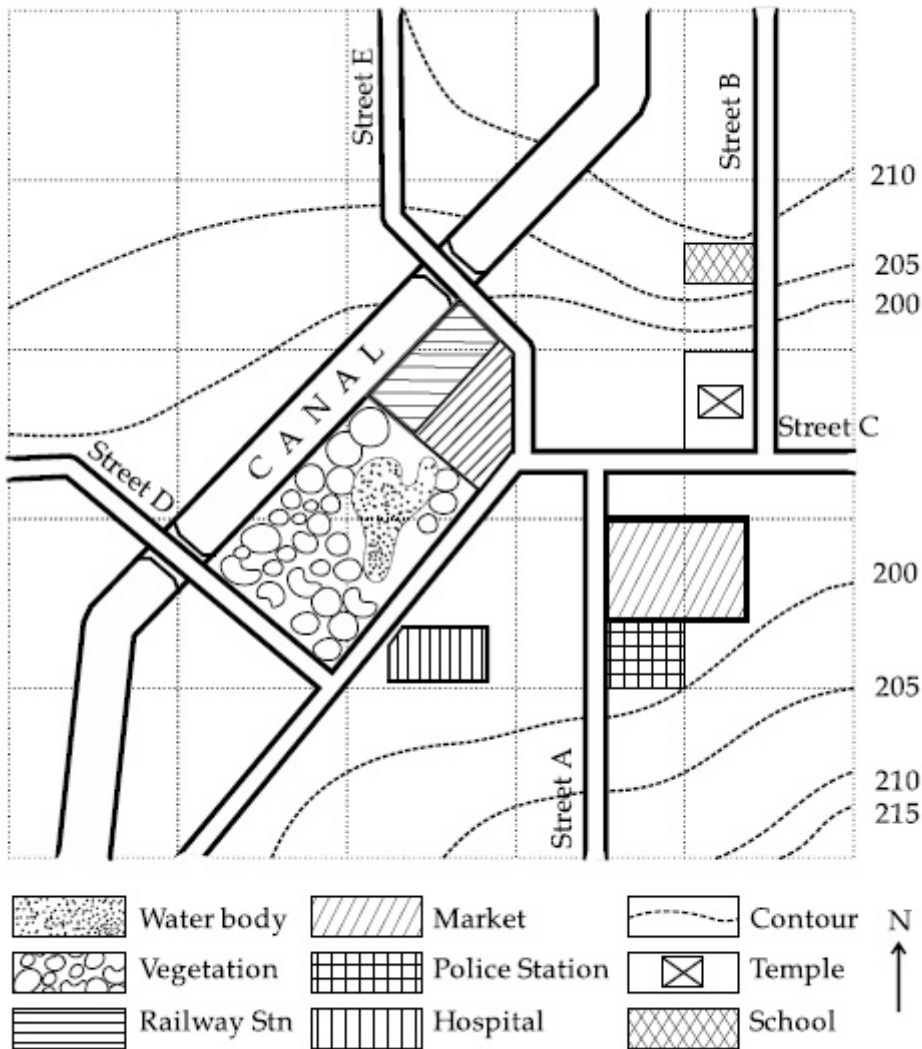
70819143968. same level as school.

Question Number : 97 Question Id : 70819113310 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

### Map Reading



ਉਪਰ ਵਾਲੇ ਚਿੱਤਰ ਅਨੁਸਾਰ ਪਾਣੀ ਵਾਲੀ ਥਾਂ ਕਿਹੜੀ ਉਚਾਈ ਤੇ ਸਥਿਤ ਹੈ ?

Options :

70819143965. ਪੁਲਿਸ ਸਟੇਸ਼ਨ ਤੋਂ 5 m ਉੱਚਾ

70819143966. ਸਕੂਲ ਤੋਂ 5 m ਉੱਚਾ

70819143967. ਪੁਲਿਸ ਸਟੇਸ਼ਨ ਦੇ ਬਰਾਬਰ

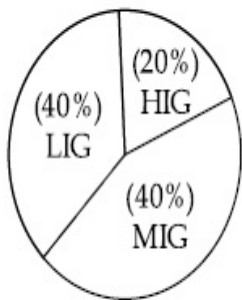
70819143968. ਸਕੂਲ ਦੇ ਬਰਾਬਰ

**Question Number : 98 Question Id : 70819113311 Question Type : MCQ Option Shuffling : Yes**

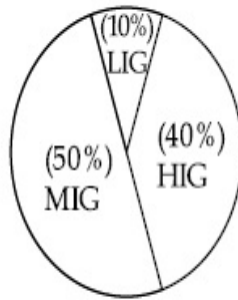
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The following pie-charts show the distribution of students enrolled in higher secondary and in college education, with respect to the household income of their families.



Higher Secondary Education



College Education

The ratio between the number of students from LIG household category studying at higher secondary to those in college is :

**Options :**

70819143969. 4 : 1

70819143970. 1 : 5

70819143971. 6 : 1

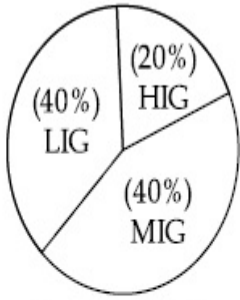
70819143972. 1 : 4

**Question Number : 98 Question Id : 70819113311 Question Type : MCQ Option Shuffling : Yes**

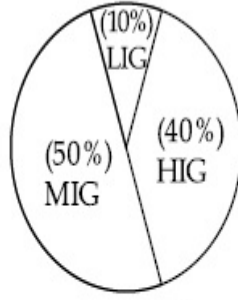
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਹੇਠ ਦਿੱਤੇ ਚੱਕਰ ਗ੍ਰਾਫ ਵਿੱਚ ਹਾਇਰ ਸੈਕੰਡਰੀ ਅਤੇ ਕਾਲਜ ਵਿੱਚ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਦਰਜ ਕਰਾਉਣ ਦਾ ਤੇ ਉਨ੍ਹਾਂ ਘਰੇਲੂ ਆਮਦਨੀ ਦਾ ਆਲੇਖ ਹੈ।



ਹਾਇਰ ਸੈਕੰਡਰੀ ਸਿਖਿਆ



ਕਾਲਜ ਸਿਖਿਆ

LIG : ਘੱਟ ਆਮਦਨੀ ਗੁੱਰਪ

MIG : ਮੱਧਮ ਆਮਦਨੀ ਗੁੱਰਪ

HIG : ਉੱਚ ਆਮਦਨੀ ਗੁੱਰਪ

ਘੱਟ ਆਮਦਨੀ ਗੁੱਰਪ ਦੇ ਵਿਦਿਆਰਥੀਆਂ ਦਾ ਅਨੁਪਾਤ ਜਿਹੜੇ ਹਾਇਰ ਸੈਕੰਡਰੀ ਸਿਖਿਆ ਅਤੇ ਕਾਲਜ ਸਿਖਿਆ ਦਰਜ ਕੀਤੇ ਜਾਂਦੇ ਹਨ ?

**Options :**

70819143969. 4 : 1

70819143970. 1 : 5

70819143971. 6 : 1

70819143972. 1 : 4

**Question Number : 99 Question Id : 70819113312 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The surface area of earth is 510 million km<sup>2</sup>. The land area is thirty percent of total surface. Urban land is three percent of total land surface. World population is 7.8 billion and fifty five percent is urban population. Find the closest correct answer.

**Options :**

70819143973. The density of population in urban area is 1000 persons/sq.km.

70819143974. The density of population in urban area is 849 persons/sq.km.

70819143975. The density of population in urban area is 4290 persons/sq.km.

70819143976. The density of population in urban area is 7800 persons/sq.km.

**Question Number : 99 Question Id : 70819113312 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਧਰਤੀ ਦਾ ਕੁਲ ਜਮੀਨੀ ਖੇਤਰਫਲ 510 ਵਰਗ ਕਿ.ਮੀ. ਹੈ ਅਤੇ ਜਮੀਨੀ ਖੇਤਰਫਲ, ਕੁਲ ਖੇਤਰਫਲ ਦਾ 30% ਹੈ। ਸ਼ਹਿਰੀ ਜਮੀਨ ਕੁਲ ਜਮੀਨੀ ਖੇਤਰਫਲ ਦੀ 3% ਹੈ। ਦੁਨਿਆ ਦੀ ਕੁੱਲ ਜਨਸੰਖਿਆ 7.8 ਬਿਲਿਅਨ ਹੈ, ਜਿਸ ਵਿੱਚੋਂ 55% ਲੋਕ ਸ਼ਹਿਰੀ ਜਨਸੰਖਿਆ ਹੈ ਠੀਕ ਉੱਤਰ ਚੋਣ ਕਰੋ।

(ਨੜੇਲੇ ਉੱਤਰ ਨੂੰ ਤਰਜੀਹ ਦਿੱਤੀ ਜਾਵੇ)

**Options :**

70819143973. ਸ਼ਹਿਰੀ ਆਬਾਦੀ ਦੀ ਘਣਤਾ 1000 ਆਦਮੀ ਪ੍ਰਤੀ ਵਰਗ ਕਿ.ਮੀ. ਹੈ।

70819143974. ਸ਼ਹਿਰੀ ਆਬਾਦੀ ਦੀ ਘਣਤਾ 849 ਆਦਮੀ ਪ੍ਰਤੀ ਵਰਗ ਕਿ.ਮੀ. ਹੈ।

70819143975. ਸ਼ਹਿਰੀ ਆਬਾਦੀ ਦੀ ਘਣਤਾ 4290 ਆਦਮੀ ਪ੍ਰਤੀ ਵਰਗ ਕਿ.ਮੀ. ਹੈ।

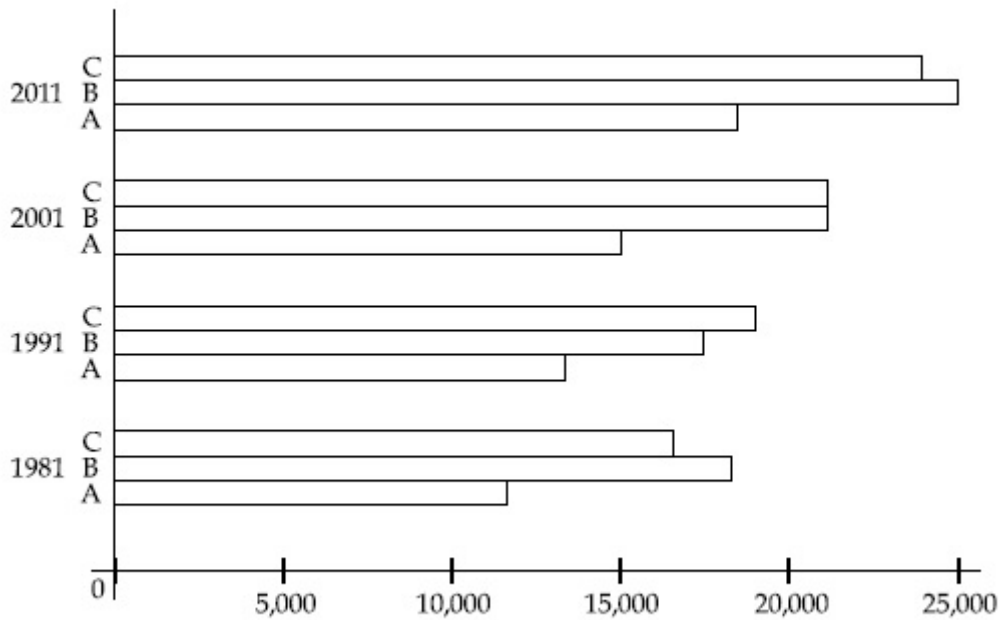
70819143976. ਸ਼ਹਿਰੀ ਆਬਾਦੀ ਦਾ ਘਣਤਾ 7800 ਆਦਮੀ ਪ੍ਰਤੀ ਵਰਗ ਕਿ.ਮੀ. ਹੈ।

**Question Number : 100 Question Id : 70819113313 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Population of city A, B and C from 1981-2011.



Choose the correct statement :

**Options :**

70819143977. City A shows the increase in population from 1981 to 2011 and city C does not show the increase likewise.

70819143978. City B shows a continuous decline in population from 1981-2011 whereas city A shows an increase.

70819143979. Population in city A is increasing in each decade from 1981 to 2001 whereas city B shows a decline from 1981 to 1991 and then it increases from 1991 to 2001.

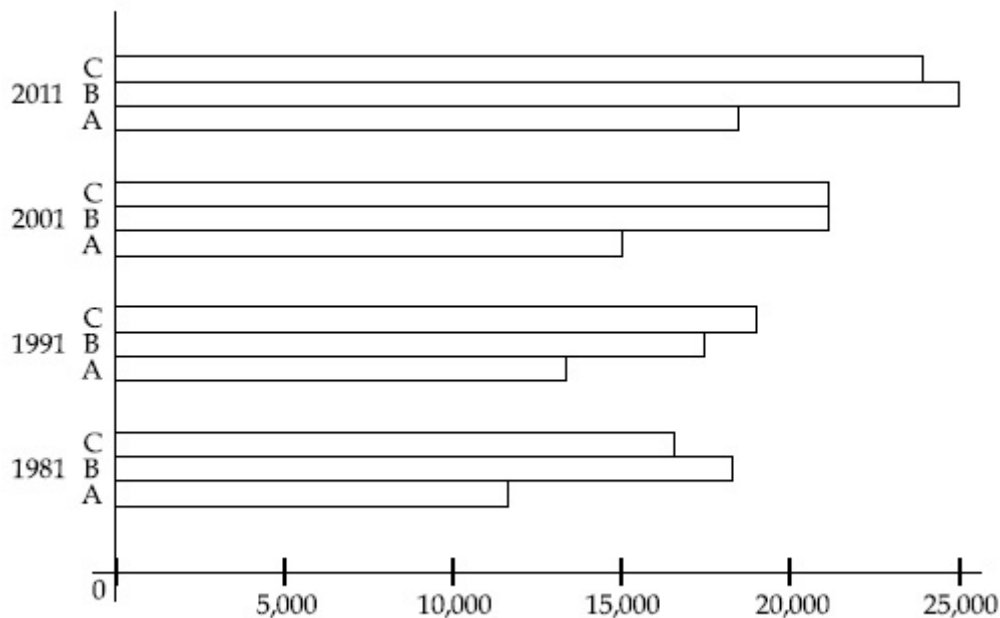
70819143980. City C shows continuous decline in population in various decades whereas city B shows increase.

**Question Number : 100 Question Id : 70819113313 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A, B ਅਤੇ C ਸ਼ਹਿਰ ਦੀ ਜਨਸੰਖਿਆ 1981 ਤੋਂ 2011 :



ਉੱਪਰ ਦਿਤੇ ਚਿੱਤਰ ਨੂੰ ਦੇਖ ਕੇ ਸਹੀ ਕਥਨ ਦੀ ਚੋਣ ਕਰੋ -

**Options :**

70819143977. A ਸ਼ਹਿਰ ਵਿੱਚ ਜਨਸੰਖਿਆ ਦਾ ਵਾਧਾ 1981 ਤੋਂ 2011 ਹੋਇਆ ਪਰ C ਸ਼ਹਿਰ ਵਿੱਚ ਵਾਧਾ ਇਸ ਤਰ੍ਹਾਂ ਨਹੀਂ ਹੈ ।

70819143978. ਸ਼ਹਿਰ B ਵਿੱਚ ਲਗਾਤਾਰ 1981-2011 ਤਕ ਜਨਸੰਖਿਆ ਦਾ ਘਾਟਾ ਹੋਇਆ ਪਰ A ਸ਼ਹਿਰ ਵਾਧਾ ਦਿਖ ਰਿਹਾ ਹੈ ।

70819143979. ਸ਼ਹਿਰ A ਦੀ ਜਨਸੰਖਿਆ 1981 ਤੋਂ 2001 ਵਿੱਚ ਵਾਧਾ ਪਰ ਸ਼ਹਿਰ B ਦੀ ਜਨਸੰਖਿਆ 1981 ਤੋਂ 1991 ਤਕ ਘਟੀ ਪਰ ਫੇਰ 1991 ਤੋਂ 2001 ਵੱਧਦੀ ਰਹੀ ।

70819143980. ਸ਼ਹਿਰ C ਲਗਾਤਾਰ ਹਰ ਦਹਾਕੇ ਵਿੱਚ ਘੱਟਦੀ ਰਹੀ ਹੈ ਪਰ ਸ਼ਹਿਰ B ਵਿੱਚ ਵੱਧਦੀ ਰਹੀ ਹੈ ।

**Question Number : 101 Question Id : 70819113314 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



In a survey, the speeds of 100 vehicles were observed. The following table gives the distribution of vehicle speed and the corresponding number of vehicles.

| Vehicle Speed ( $\text{kmhr}^{-1}$ ) | No. of Vehicles |
|--------------------------------------|-----------------|
| 20                                   | 6               |
| 25                                   | 20              |
| 28                                   | 24              |
| 29                                   | 28              |
| 33                                   | 15              |
| 38                                   | 4               |
| 40                                   | 2               |
| 45                                   | 1               |

The median speed of the vehicles is :

**Options :**

70819143981.  $26 \text{ kmhr}^{-1}$

70819143982.  $21.5 \text{ kmhr}^{-1}$

70819143983.  $30 \text{ kmhr}^{-1}$

70819143984.  $28.5 \text{ kmhr}^{-1}$

**Question Number : 101 Question Id : 70819113314 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਹੇਠਾ ਦਿਤੇ 100 ਸਾਧਨਾਂ ਦਾ ਵੇਗ ਅਤੇ ਸਾਧਨਾਂ ਦੀ ਗਿਣਤੀ ਦਾ ਇਕ ਸਾਰਣੀ ਦਿੱਤੀ ਹੈ ।

| Vehicle Speed (kmhr <sup>-1</sup> ) | No. of Vehicles |
|-------------------------------------|-----------------|
| 20                                  | 6               |
| 25                                  | 20              |
| 28                                  | 24              |
| 29                                  | 28              |
| 33                                  | 15              |
| 38                                  | 4               |
| 40                                  | 2               |
| 45                                  | 1               |

ਇਨ੍ਹਾਂ ਸਾਧਨਾਂ ਦੀ ਵੇਗ ਮਧਿਕਾ -

**Options :**

70819143981. 26 kmhr<sup>-1</sup>

70819143982. 21.5 kmhr<sup>-1</sup>

70819143983. 30 kmhr<sup>-1</sup>

70819143984. 28.5 kmhr<sup>-1</sup>

**Question Number : 102 Question Id : 70819113315 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Hundreds of Shanty towns line the river banks, train tracks, and garbage dumps in the Filipino capital. Around a quarter of its 12 million are considered 'informal settlers'. Manila is starkly representative of a global problem. According to the United Nations, about a quarter of the World's urban population lives in slums.

Slum tourism takes outsiders through their most impoverished marginalized districts. Slum tourism sparks considerable debate around an uncomfortable moral dilemma. Many consider the practice little more than slack-jawed privileged people gawking at those less fortunate. Others argue they raise awareness and provide numerous examples of giving back to the local communities.

Which of the following best justify 'Slum Tourism' in the above paragraph ?

**Options :**

70819143985. As a charity by privileged people.

70819143986. As a way to reduce crime.

70819143987. As a way to sensitize travellers about poor living conditions in the society.

70819143988. As an adventure activity.

**Question Number : 102 Question Id : 70819113315 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Hundreds of Shanty towns line the river banks, train tracks, and garbage dumps in the Filipino capital. Around a quarter of its 12 million are considered 'informal settlers'. Manila is starkly representative of a global problem. According to the United Nations, about a quarter of the World's urban population lives in slums.

Slum tourism takes outsiders through their most impoverished marginalized districts. Slum tourism sparks considerable debate around an uncomfortable moral dilemma. Many consider the practice little more than slack-jawed privileged people gawking at those less fortunate. Others argue they raise awareness and provide numerous examples of giving back to the local communities.

Which of the following best justify 'Slum Tourism' in the above paragraph ?

**Options :**

70819143985. As a charity by privileged people.

70819143986. As a way to reduce crime.

70819143987. As a way to sensitize travellers about poor living conditions in the society.

70819143988. As an adventure activity.

**Question Number : 103 Question Id : 70819113316 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Hundreds of Shanty towns line the river banks, train tracks, and garbage dumps in the Filipino capital. Around a quarter of its 12 million are considered 'informal settlers'. Manila is starkly representative of a global problem. According to the United Nations, about a quarter of the World's urban population lives in slums.

Slum tourism takes outsiders through their most impoverished marginalized districts. Slum tourism sparks considerable debate around an uncomfortable moral dilemma. Many consider the practice little more than slack-jawed privileged people gawking at those less fortunate. Others argue they raise awareness and provide numerous examples of giving back to the local communities.

The nearest meaning of 'Gawking' in this paragraph would be :

**Options :**

70819143989. Learning

70819143990. Staring

70819143991. Peeping

70819143992. Gloating

**Question Number : 103 Question Id : 70819113316 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Hundreds of Shanty towns line the river banks, train tracks, and garbage dumps in the Filipino capital. Around a quarter of its 12 million are considered 'informal settlers'. Manila is starkly representative of a global problem. According to the United Nations, about a quarter of the World's urban population lives in slums.

Slum tourism takes outsiders through their most impoverished marginalized districts. Slum tourism sparks considerable debate around an uncomfortable moral dilemma. Many consider the practice little more than slack-jawed privileged people gawking at those less fortunate. Others argue they raise awareness and provide numerous examples of giving back to the local communities.

The nearest meaning of 'Gawking' in this paragraph would be :

**Options :**

70819143989. Learning

70819143990. Staring

70819143991. Peeping

70819143992. Gloating

**Question Number : 104 Question Id : 70819113317 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements : one is labelled as Assertion A and the other is labelled as Reason R.

Assertion A : Over the last two decades collective attention span is decreasing.

Reason R : Quick availability and rapid access to large amount of information leads to loss of interest in one topic very quickly.

In the light of the above statements, choose the correct answer from the options given below :

**Options :**

70819143993. Both A and R are true and R is the correct explanation of A

70819143994. Both A and R are true but R is NOT the correct explanation of A

70819143995. A is true but R is false

70819143996. A is false but R is true

**Question Number : 104 Question Id : 70819113317 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਹੇਠਾਂ ਦੇ ਕਥਨ ਦਿੱਤੇ ਹਨ। ਇਕ ਨੂੰ **ਦਿੱਤ ਕਥਨ** (ਕ) ਕਿਹਾ ਹੈ ਅਤੇ ਦੂਜੇ ਨੂੰ **ਕਾਰਨ ਕਥਨ** (ਖ) ਦਿਹਾ ਹੈ।

**ਦਿੱਤ ਕਥਨ (ਕ) :** ਪਿਛਲੇ ਦੋ ਦਹਾਕੇ ਤੋਂ ਸਾਡੇ ਧਿਆਨ ਦਾ ਸਮਾ ਘਟ ਰਿਹਾ ਹੈ।

**ਕਾਰਨ ਕਥਨ (ਖ) :** ਜਲਦੀ ਮਿਲਣਾ ਅਤੇ ਤੇਜ਼ੀ ਨਾਲ ਬਹੁਤ ਸਾਰੀ ਸੂਚਨਾਵਾਂ ਤਕ ਪਹੁੰਚ ਕਰਕੇ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਵਿੱਚ ਦਿਲਚਸਪੀ ਤੇਜ਼ੀ ਘੱਟਦੀ ਹੈ।

ਉਪਰ ਦਿੱਤੀ ਕਥਨਾਂ ਦੀ ਲੋਅ ਵਿੱਚ ਸਹੀ ਵਿਕੱਲਪ ਦੀ ਚੋਣ ਕਰੋ -

**Options :**

70819143993. ਦੋਨੋਂ ਕ ਅਤੇ ਖ ਸਹੀ ਹਨ ਅਤੇ ਖ, ਕ ਦਾ ਸਹੀ ਜਵਾਬ ਹੈ ।

70819143994. ਦੋਨੋਂ ਕ ਅਤੇ ਖ ਸਹੀ ਹੈ । ਪਰ ਖ, ਕ ਦਾ ਗਲਤ ਜਵਾਬ ਹੈ ।

70819143995. ਕ ਸਹੀ ਹੈ, ਖ ਗਲਤ ਹੈ ।

70819143996. ਕ ਸਹੀ ਨਹੀਂ ਹੈ, ਪਰ ਖ ਸਹੀ ਹੈ ।

**Question Number : 105 Question Id : 70819113318 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements : one is labelled as Assertion A and the other is labelled as Reason R :

Assertion A : In past two decades, rate of divorce has increased in India.

Reason R : Increasing number of married couples do not want to have children.

In the light of the above statements, choose the correct answer from the options given below :

**Options :**

70819143997. Both A and R are true and R is the correct explanation of A

70819143998. Both A and R are true but R is NOT the correct explanation of A

70819143999. A is true but R is false

70819144000. A is false but R is true

**Question Number : 105 Question Id : 70819113318 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ਹੇਠਾਂ ਦੇ ਕਥਨ ਦਿੱਤੇ ਹਨ। ਇਕ ਨੂੰ **ਦ੍ਰਿੜ ਕਥਨ** (ਕ) ਕਿਹਾ ਹੈ ਅਤੇ ਦੂਜੇ ਨੂੰ **ਕਾਰਨ ਕਥਨ** (ਖ) ਦਿਹਾ ਹੈ।  
ਦ੍ਰਿੜ ਕਥਨ (ਕ) : ਪਿਛਲੇ ਦੇ ਦਾਹਿਕਆਂ ਵਿੱਚ, ਭਾਰਤ ਵਿੱਚੋ ਤਲਾਕ ਦੇਣ ਦੀ ਦਰ ਵੱਧ ਰਹੀ ਹੈ।  
ਕਾਰਨ ਕਥਨ (ਖ) : ਬਹੁਤ ਸਾਰੇ ਵਿਆਹੇ ਜੋੜੇ ਬੱਚੇ ਪੈਦਾ ਨਹੀਂ ਕਰਨਾ ਚਾਹੁੰਦੇ।  
ਉਪਰ ਦਿੱਤੀਆ ਕਥਨਾਂ ਦੀ ਲੋਅ ਵਿੱਚ ਸਹੀ ਵਿਕੱਲਪ ਦੀ ਚੋਣ ਕਰੋ -

**Options :**

70819143997. ਦੋਨੋ ਕ ਅਤੇ ਖ ਸਹੀ ਹਨ। ਪਰ ਖ, ਕ ਦਾ ਸਹੀ ਜਵਾਬ ਹੈ।

70819143998. ਦੋਨੋ ਕ ਅਤੇ ਖ ਸਹੀ ਹਨ। ਪਰ ਖ, ਕ ਦਾ ਗਲਤ ਜਵਾਬ ਹੈ।

70819143999. ਕ ਸਹੀ ਹੈ, ਖ ਗਲਤ ਹੈ।

70819144000. ਕ ਸਹੀ ਨਹੀਂ ਹੈ। ਪਰ ਖ ਸਹੀ ਹੈ।

## Drawing

|  |           |
|--|-----------|
| <b>Section Id :</b>                          | 708191462 |
| <b>Section Number :</b>                      | 5         |
| <b>Section type :</b>                        | Offline   |
| <b>Mandatory or Optional :</b>               | Mandatory |
| <b>Number of Questions :</b>                 | 2         |
| <b>Number of Questions to be attempted :</b> | 2         |
| <b>Section Marks :</b>                       | 100       |
| <b>Mark As Answered Required? :</b>          | Yes       |
| <b>Sub-Section Number :</b>                  | 1         |
| <b>Sub-Section Id :</b>                      | 708191742 |
| <b>Question Shuffling Allowed :</b>          | No        |

**Question Number : 106 Question Id : 70819113319 Question Type : SUBJECTIVE**

**Correct Marks : 50**

Draw a proportionate sketch of given reference image by using any black and white rendering techniques of your own choice.

OR

Decode image and prepare balanced composition in a frame of your choice by using any black and white rendering techniques.



**Question Number : 106 Question Id : 70819113319 Question Type : SUBJECTIVE**

**Correct Marks : 50**

ਆਪਣੇ ਪਸੰਦ ਦੀ ਕਾਲੇ ਅਤੇ ਚੀਟੇ-ਪੇਸ਼ਕਾਰੀ ਦੀ ਤਕਨੀਕ ਦੇ ਨਾਲ ਦਿੱਤੇ ਗਏ ਸਵਾਲ ਚਿੱਤਰ ਦਾ ਅਨੁਮਾਤੀ ਚਿੱਤਰ ਬਣਾਉ ।

(ਯਾ)

ਦਿੱਤੀ ਗਈ ਤਸਵੀਰ ਨੂੰ ਡੀਕੋਡ ਕਰੋ ਅਤੇ ਆਪਣੇ ਫਰੇਮ ਦੀ ਪਸੰਦ ਦੇ ਨਾਲ ਇਕ ਸੰਤੁਲਿਤ ਰਚਣਾ ਤਿਆਰ ਕਰੋ । ਆਪਣੇ ਪਸੰਦ ਦੇ ਕਾਲੇ-ਚੀਟੇ ਪੇਸ਼ਕਾਰੀ ਤਕਨੀਕ ਦੀ ਵਰਤੋਂ ਕਰੋ ।





**Question Number : 107 Question Id : 70819113320 Question Type : SUBJECTIVE**

**Correct Marks : 50**

Draw a scene of a Kite festival by using colors.

**OR**

Draw a Harmonic three dimensional composition with the following two types of objects.

- (i) CUBOID A : SIZE  $2\text{ cm} \times 2\text{ cm} \times 2\text{ cm}$ , 5 Nos.
- (ii) CUBOID B : SIZE  $5\text{ cm} \times 2\text{ cm} \times 2\text{ cm}$ , 4 Nos.

Use 'Cool Colorscheme' for composition.

**Question Number : 107 Question Id : 70819113320 Question Type : SUBJECTIVE**

**Correct Marks : 50**

ਰੰਗਾਂ ਦੀ ਵਰਤੋਂ ਕਰਦੇ ਹੋਏ ਪਤੰਗ ਦੇ ਤਿਉਹਾਰ ਦਾ ਇੱਕ ਦ੍ਰਿਸ਼ ਬਣਾਓ ।

**(ਯਾ)**

ਹੇਠ ਲਿਖਿਆਂ ਦੇ ਕਿਸਮਾਂ ਦੇ ਵਸਤੂਆਂ ਦੇ ਨਾਲ ਇੱਕ ਹਾਰਮੋਨਿਕ 3 ਅਯਾਮੀ ਰਚਨਾ ਬਣਾਓ :

- (i) ਕਿਊਬਾਇਡ (CUBOID) A : ਮਾਪ  $2\text{ cm} \times 2\text{ cm} \times 2\text{ cm}$ , 5 Nos.
- (ii) ਕਿਊਬਾਇਡ (CUBOID) B : ਮਾਪ  $5\text{ cm} \times 2\text{ cm} \times 2\text{ cm}$ , 4 Nos.

ਠੰਡੀ ਰੰਗ ਤਕਨੀਕ ਦੀ ਵਰਤੋਂ ਕਰੋ ।