Cubes and Dices

## Construction of Boxes:

The details of the cube formed when a sheet is folded to form a box:

| Form |  |  | In this case: |
| :---: | :---: | :---: | :---: |
|  | 1 |  | 1 lies opposite 5; |
| 2 | 3 | 4 |  |
|  | 5 |  |  |
|  | 6 |  | 3 lies opposite 6 |

## Form II <br> In this case:



1 lies opposite 6;
2 lies opposite 4
3 lies opposite 5

## Form III In this case:



1 lies opposite 4;
2 lies opposite 6
3 lies opposite 5 .


| Form IV |  |  | In this case: |
| :---: | :---: | :---: | :---: |
|  | 1 |  | 1 lies opposite 4; |
| 2 | 3 |  |  |
|  | 4 | 5 |  |
|  | 6 |  | 3 lies opposite 6. |

## Form V



## In this case:

1 lies opposite 3;
2 lies opposite 5;
4 lies opposite 6.

## Form V In this case:



Choose the box that is similar to the box formed from the given sheet of paper (X).

(X)

(1)

(2)

(3)

(4)
(A) 1 and 2 only
(B) 2 and 4 only
(C) 2 and 3 only
(D) 1 and 4 only

(X)

(1)

(2)

(3)

(4)
(®) 1 and 4 only
(B) 3 and 4 only
(C) 1 and 2 only
(D) 2 and 3 only

How many dots lie opposite to the face having three dots, when the given figure is folded to form a cube?

(®) 2
(B) 4
(C) 5
(a) 6

