



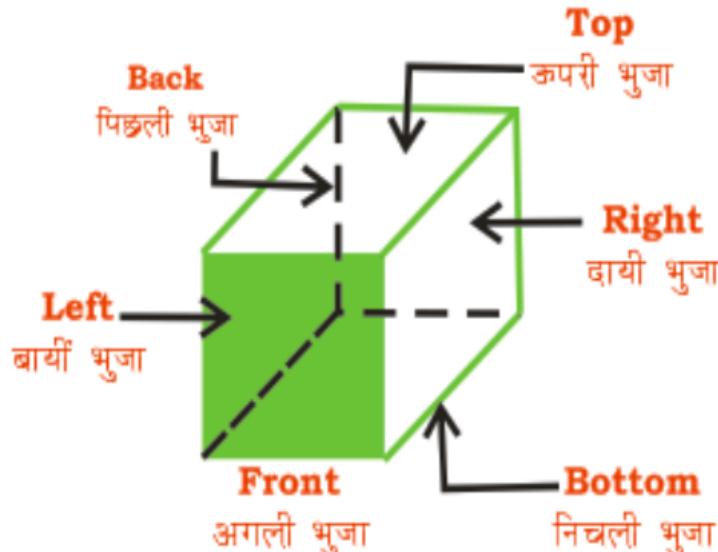
DICE

Dice

Left – Right
Top – Bottom
Front – Back

6 Faces/ सतह

8 Corners/ किनारा



Dice

Standard Dice
मानक पासा

General Dice
सामान्य पासा

Standard Dice- If every opposite surface sum is equal to 7 then the dice is called Standard Dice.

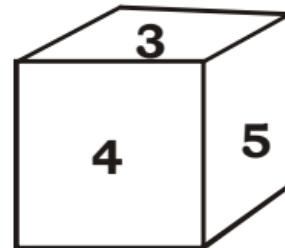
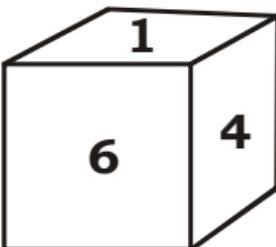
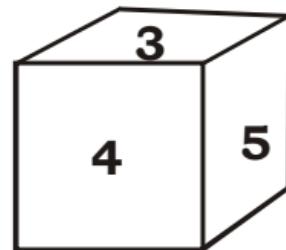
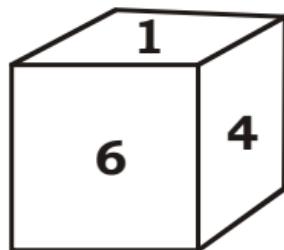
मानक पासा- यदि प्रत्येक विपरीत सतह पर योग 7 के बराबर है। तब इसे हम मानक पासा कहते हैं।

General Dice- If any two adjacent surface have sum 7 then the dice is called General Dice.

सामान्य पासा- यदि साथ की सतहों का योग 7 है। तब इसे हम सामान्य पासा कहते हैं।

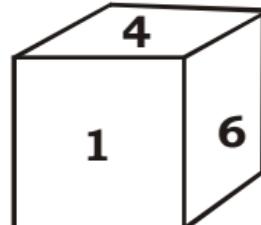
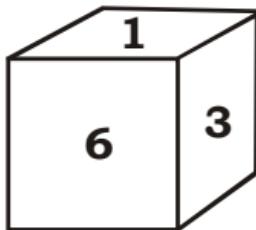
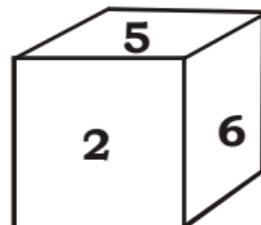
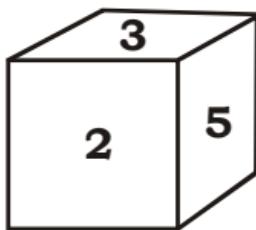
DICE

Case -I (Only one common)/केवल एक सतह समान है।



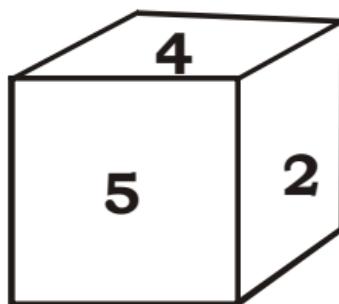
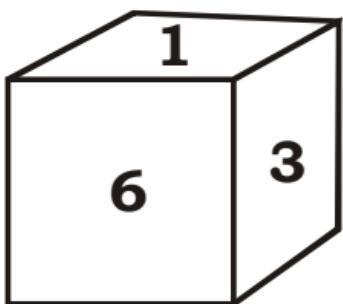
DICE

Case -II (Two Common)/दो सतह समान हो।



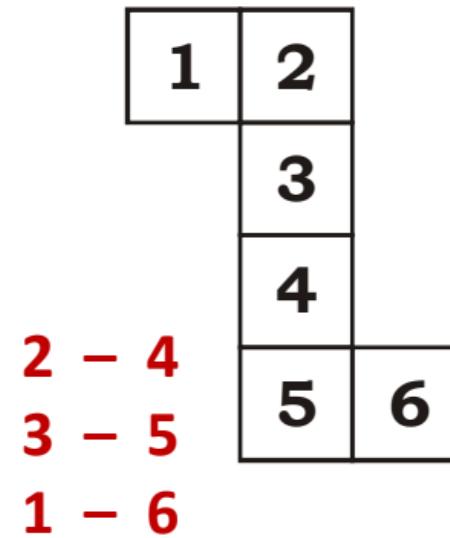
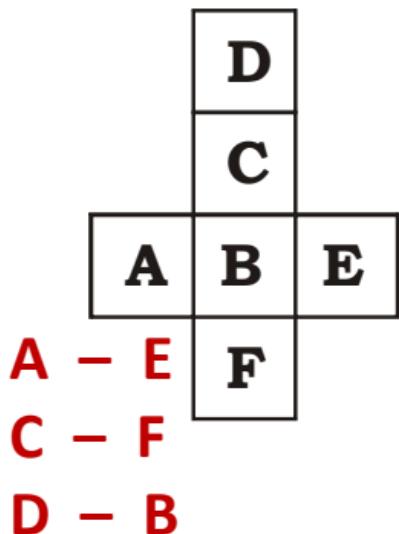
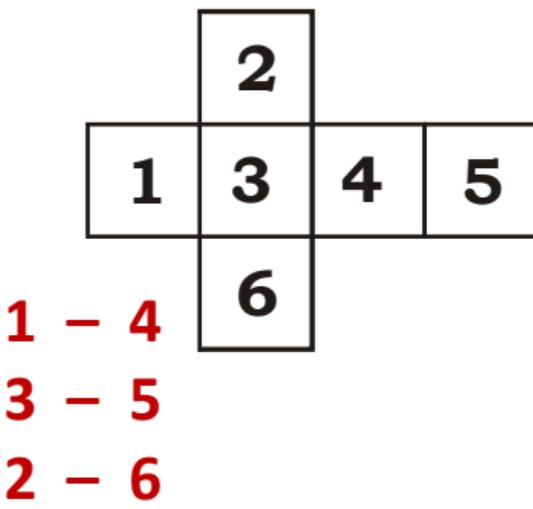
DICE

Case -III (No Common) / कोई भी सतह समान न हो।



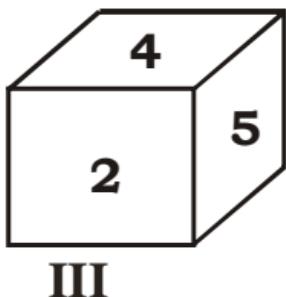
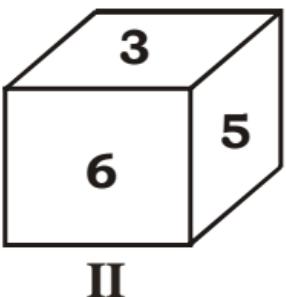
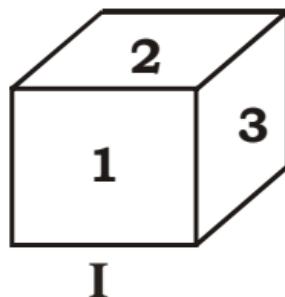
OPEN DICE

Each alternate surface are opposite to each other
पासे को खोलने पर, प्रत्येक वैकल्पिक सतह एक दूसरे के सामने होती है।



1. In the dice given below which number will be on the opposite side to 3?

नीचे दिये गए पासे में अंक 3 के विपरीत फलक पर कौन-सा अंक होगा?



(1) 1

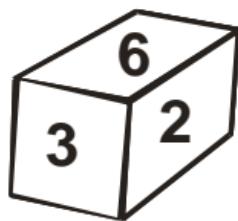
(2) 6

(3) 5

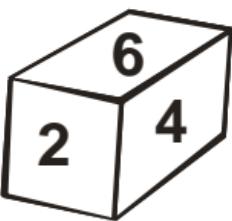
(4) 4

2. In the dice given below which number will be on the opposite side to 6?

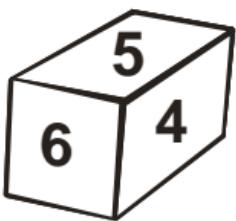
नीचे दिये गए पासे में अंक 6 के विपरीत फलक पर कौन-सा अंक होगा?



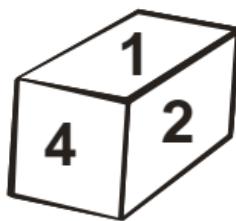
(1) 1



I (2) 2



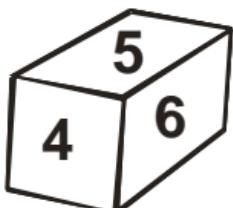
II
(3) 3



III
(4) 4

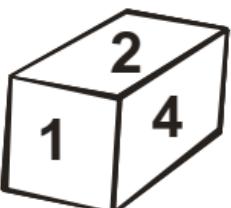
3. In the dice given below which number will be on the opposite side to 3?

नीचे दिये गए पासे में अंक 3 के विपरीत फलक पर कौन-सा अंक होगा?



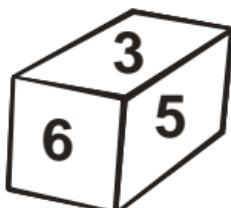
I

(1) 1



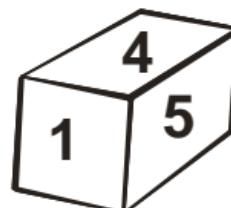
II

(2) 2



III

(3) 4

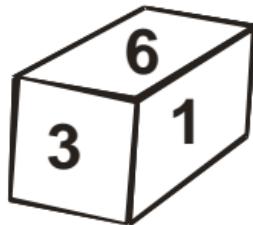


IV

(4) 6

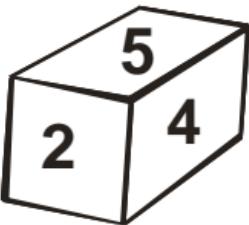
4. In the given dice which number will be on the opposite side to 3?

नीचे दिये गए पासे में अंक 3 के विपरीत फलक पर कौन-सा अंक होगा?

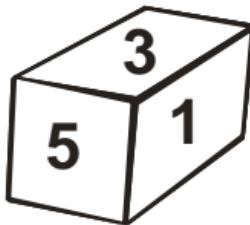


(1) 2

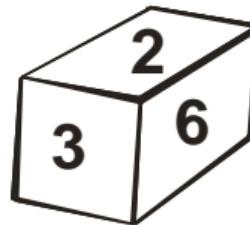
I



(2) 3



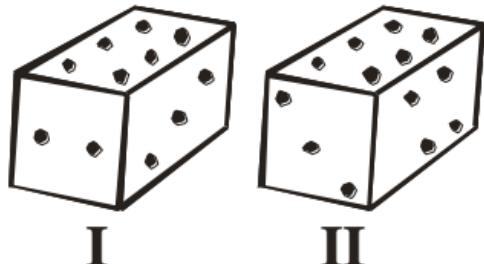
III
(3) 4



IV
(4) 6

5. If there are three dots at the bottom, then how many dots will be on top?

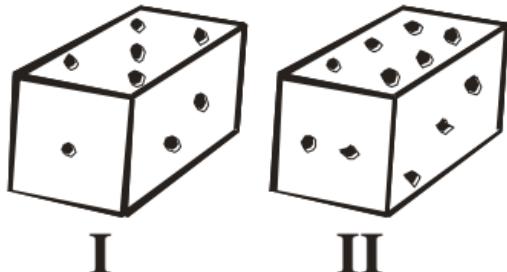
यदि पासे के नीचे फलक पर तीन बिन्दु हों तो ऊपरी फलक पर कितने बिन्दु होंगे?



- (1) 1 or 5
- (2) 2
- (3) 4
- (4) 5

6. If the number of dots is three on top then how many will be at bottom?

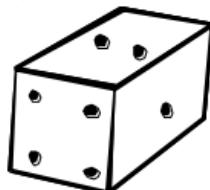
यदि ऊपरी फलक पर बिन्दुओं की संख्या तीन हो तो इसके निचले फलक पर बिन्दुओं की संख्या कितनी होगी?



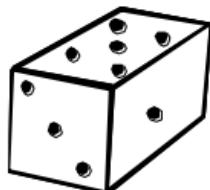
- (1) 1
- (2) 4
- (3)

7. If 4 dots are at bottom then what will be the number of dots on top?

नीचे एक पासे को दो प्रारूपों के दर्शाया गया है। जब 4 बिन्दु नीचे की ओर होंगे तो ऊपर के फलक पर कितने गोले होंगे?



I



II

(1) 3

(2) 2

(3) 5

(4) 6

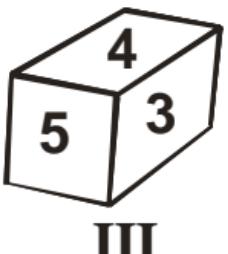
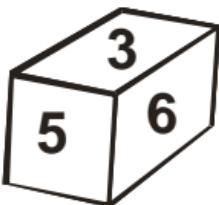
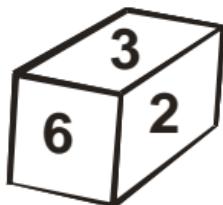
8. What will be the digit opposite to 2?

नीचे दिए गए पासे में अंक 2 के सामने वाले फलक पर कौन-सा अंक होगा?

- (1) 1
- (3) 5

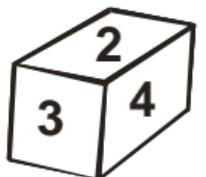
- (2) 4
- (4) Can't be determined

निर्धारित नहीं किया जा सकता है।



9. Dice given below has been shown in four positions on which digit 1 to 6 has been shown. What will be opposite to digit 2 on this dice?

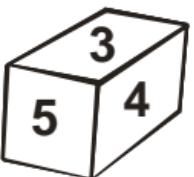
नीचे एक पासे को चार प्रारूपों के दर्शाया गया है। जिनके फलकों पर अंक 1 से 6 तक के अंक अंकित हैं। इनमें अंक 2 के विपरीत फलक पर कौन-सा अंक होगा?



I



II



III



IV

(1) 3

(2) 4

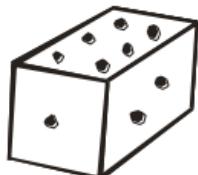
(3) 5

(4) 6

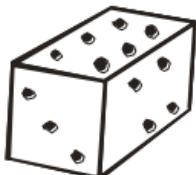
10. A dice has been shown in two positions as given below. If the number of dots is 6 at bottom. Then what will be the number of dots on top of it?

नीचे एक पासे को दो प्रारूपों के दर्शाया गया है। यदि निचले फलक पर बिन्दुओं की संख्या 6 हो, तो ऊपर के फलक पर बिन्दुओं की संख्या होगी?

- (1) 1
- (2) 2
- (3) 4
- (4) 5



I

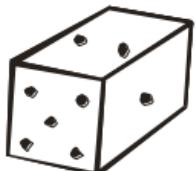


II

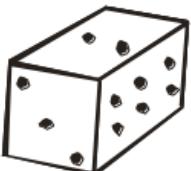
11. A dice has been given below in two positions. If number of dots on top is 1 then what will be the number of dots at bottom?

नीचे एक पासे के दो प्रारूपों को दर्शाया गया है। जब ऊपरी फलक पर बिन्दुओं की संख्या 1 हो, तो निचले फलक पर बिन्दुओं की संख्या कितनी होगी?

- | | |
|-------|-------|
| (A) 1 | (B) 2 |
| (C) 3 | (D) 6 |



I



II

12. In question 11, which number will be on the opposite face to 6?

प्रश्न संख्या 11 में बिन्दु 6 के सामने वाले फलक पर कौन-सा अंक होगा?

- (1) 1
- (2) 5
- (3) 4
- (4)

Can't be

determined

नधारित नहीं किया जा सकता है।

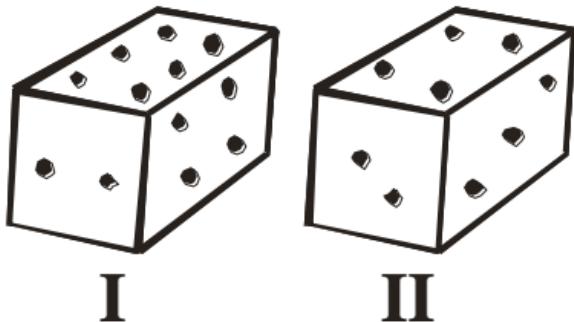
13. In question 11, what will be at the bottom face in position I?

प्रश्न 11 में प्रारूप 1 के निचले फलक पर कौन-सा अंक होगा?

- (1) 1
- (2) 4
- (3) 5
- (4) None of these/ इनमें से कोई नहीं

14. If the number of dots is 3 at bottom then what will be the number of dots on top?

नीचे एक पासे को दो प्रारूपों के दर्शाया गया है। जब निचले फलक पर बिन्दुओं की संख्या 3 हो, तो ऊपरी फलक बिन्दुओं की संख्या कितनी होगी?



(1) 2

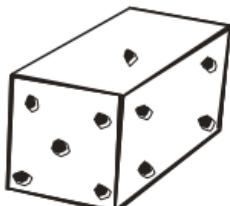
(2) 1

(3) 4

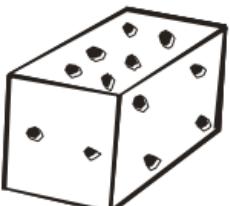
(4) 6

15. A dice has been shown below in two positions. If the number of dots on top is 4 then what will be the number of dots at bottom?

नीचे एक पासे को दो प्रारूपों के दर्शाया गया है। जब ऊपर के फलक पर बिन्दुओं की संख्या 4 हो, तो निचले फलक बिन्दुओं की संख्या कितनी होगी?



I



II

(1) 2

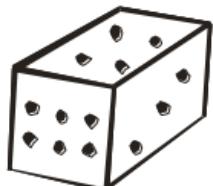
(2) 3

(3) 5

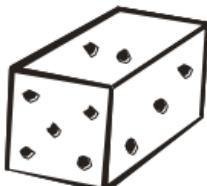
(4) 6

16. A dice has been shown below in two positions. If the number of dots at bottom is 2 then what will be the number of dots on top?

नीचे एक पासे को दो प्रारूपों के दर्शाया गया है। जब इसके निचले फलक पर बिन्दुओं की संख्या 2 हो, तो ऊपरी फलक बिन्दुओं की संख्या कितनी होगी?



I



II

(1) 1

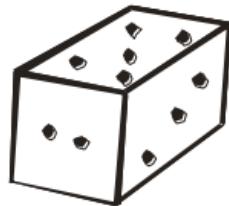
(2) 4

(3) 5

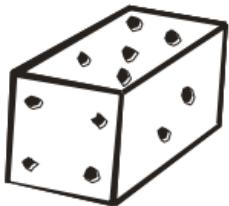
(4) 6

17. A dice has been given below in two positions. If the number of dots at bottom is three then what will be the number of dots on top?

नीचे एक पासे को दो प्रारूपों में दर्शाया गया है। जब निचले फलक पर बिन्दुओं की संख्या 3 हो, तो ऊपरी फलक बिन्दुओं की संख्या कितनी होगी?



I



II

(1) 2

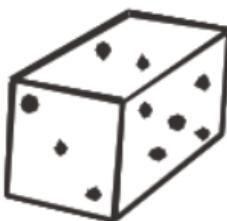
(2) 3

(3) 4

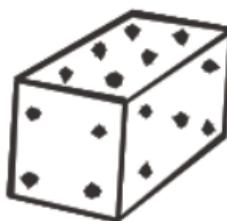
(4) 6

18. What will be the number of dots opposite to the surface of 2 dots?

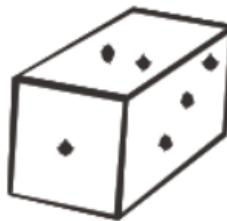
नीचे एक पासे के चार प्रारूपों को दर्शाया गया है। इस पासे दो बिन्दु वाले फलक के विपरीत फलक पर बिन्दुओं की संख्या कितनी होगी?



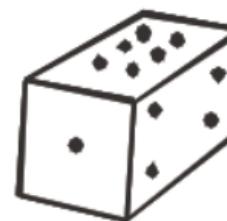
I



II



III



IV

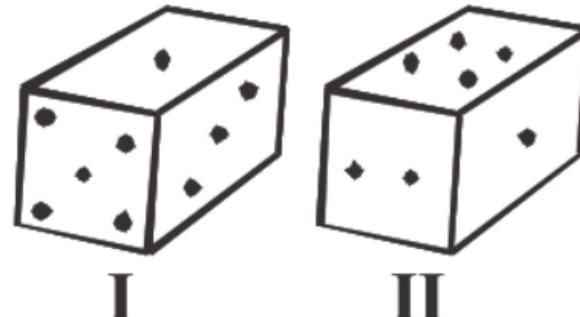
- (1) 1
(3) 5

- (2) 4
(4) 6

19. If the bottom of the dice shows 2 dots, then what would be the number of dots on its top?

नीचे एक पासे को दो प्रारूपों में दर्शाया गया है। जब निचले फलक पर बिन्दुओं की संख्या 2 हो, तो ऊपरी फलक बिन्दुओं की संख्या कितनी होगी?

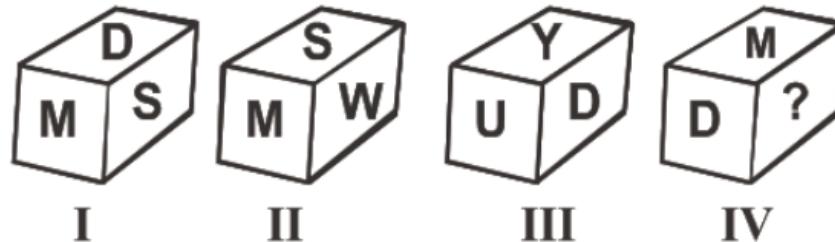
- (1) 2 (2) 3
- (3) 5 (4) 6



20. Which alphabet will come in place of question mark?

नीचे एक पासे के चार प्रारूपों को दर्शाया गया है। इन पर अक्षर लिखे गये हैं। बताएं कि रिक्त स्थान पर कौन सा अक्षर होगा?

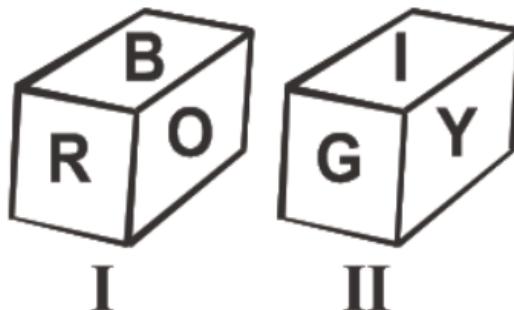
- (1) S
- (2) D
- (3) U
- (4) W



**21. Colours of rainbow are shown on the faces of a dice.
Which colour among the seven colours is left?**

एक पासे के फलकों पर इन्द्रधनुष के रंग व्यवस्थित है। पासे के दो प्रारूप को दर्शाया गया है। इन्द्रधनुष का कौन-सा रंग इनमें आलेखित नहीं है?

- (1) blue
- (2) green
- (3) yellow
- (4) violet



Directions (22 - 29): In each question an explanatory figure of dice is given. Study the figure and identify the correct dice formed by that figure.

निर्देश (22 - 33): नीचे (X) कुछ प्रसार-चित्र दिए गए हैं। जिसे मोड़कर यदि एक घन का आकार दिया जाय तो निम्न घन a, b, c एवं d में से कौन-सा घन संभव है?

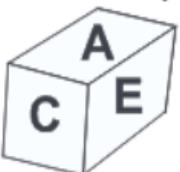
22.



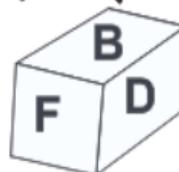
(X)



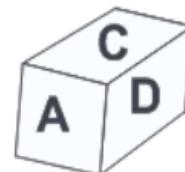
(I)



(II)

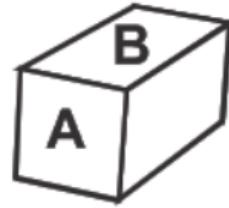
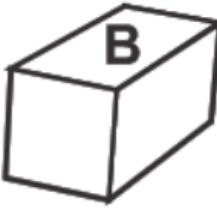
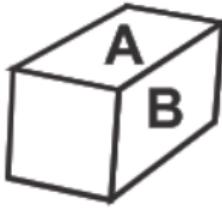


(III)



(IV)

23.



- (1) I, II and IV only/केवल I, II और IV
- (2) I, II and III only/केवल I, II, III
- (3) II only/केवल II
- (4) II and IV only/केवल II और IV

24.



(X)



(I)



(II)



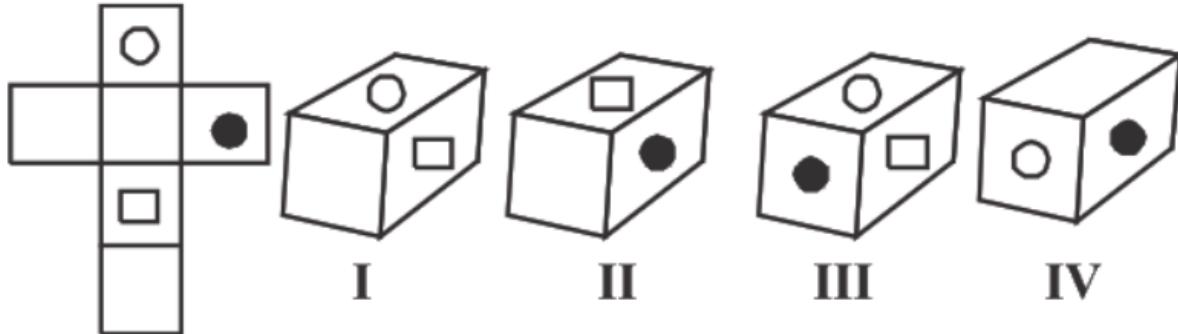
(III)



(IV)

- (1) I, and II only / केवल I, और II
- (2) II, III and IV only / केवल II, III और IV
- (3) IV only / केवल IV
- (4) III and IV only / केवल III और IV

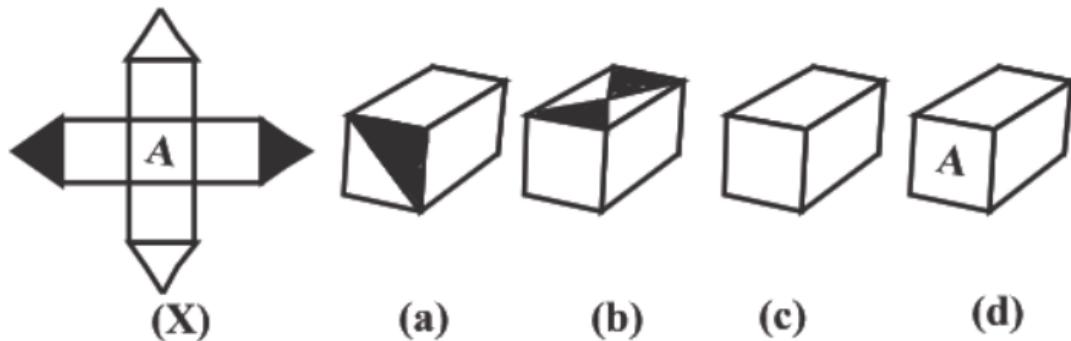
25.



(x)

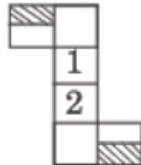
- (1) I and III only/केवल I और III
- (2) II, III and IV only/केवल II, III और IV
- (3) II and IV only/केवल II और IV
- (4) III and IV only/केवल III और IV

26.

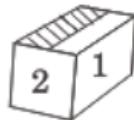


- (1) **a and c only** / केवल a और c
- (2) **b and d only** / केवल b और d
- (3) **b and c only** / केवल b और c
- (4) **b, c and d only** / केवल b, c और d

27.



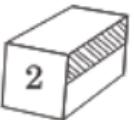
(X)



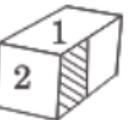
(I)



(II)



(III)



(IV)

I

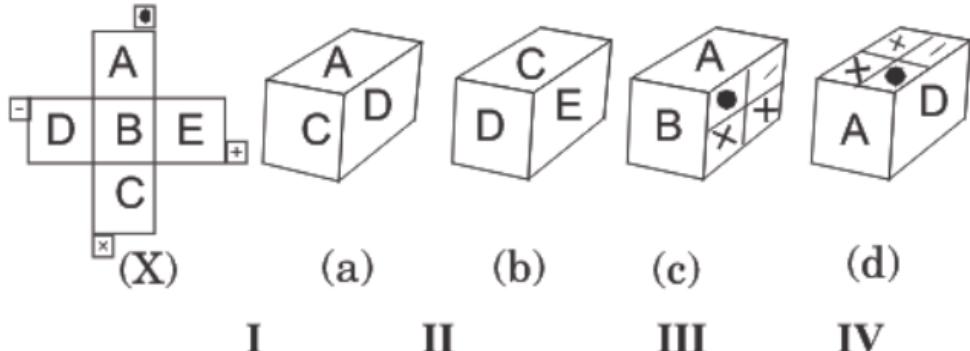
II

III

IV

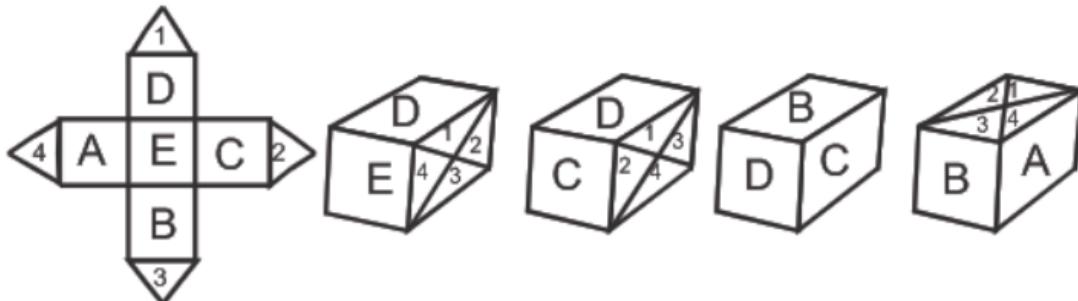
- (1) I, II, III and IV /I, II, III और IV**
- (2) only I and II /केवल I और II**
- (3) only II and III/केवल II और III**
- (4) only I, II, and III/केवल I, II, और III**

28.



- (1) (a) and (b) only / केवल (a) और (b)
- (2) only (a) / केवल (a)
- (3) (c) and (d) only / केवल (c) और (d)
- (4) None of these / इनमें से कोई नहीं

29.



- (1) only (a) and (b) / केवल (a) और (b)
- (2) only (a) / केवल (a)
- (3) only (c) and (d) / केवल (c) और (d)
- (4) only (d) / केवल (d)

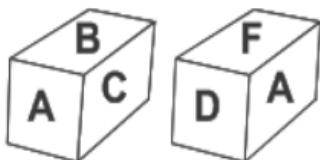
30. How many minimum number of colours would be used to colour each surface of a dice so that no two adjacent surfaces have the same colour?

किसी पासे को कम-से-कम कितने रंगों से रंगा जा सकता है जब निकटतम् सतह एक ही रंग से नहीं रंगा गया हो?

x

31. Which alphabet can come in place of question mark?

निम्न पासे में (?) प्रश्नवाचक चिन्ह के स्थान पर कौन-सा अक्षर आ सकता है?



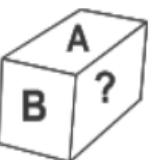
I



II



III



IV

(1) D

(2) F

(3) E

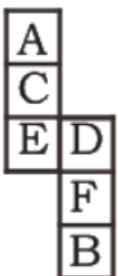
(4) can't be determined/ज्ञात नहीं किया जा सकता है।

32. Below are given explanatory figures of a single dice shown in two positions, determine the correct explanatory figure.

निम्न दिये गये एक पासा के दोनों स्थितियों का अध्ययन करें तथा बताएं कि नीचे दिये गये प्रसार चित्रों में से किस पासा को मोड़कर इस पासे का रूप दिया जा सकता है?



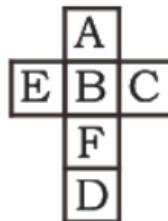
(1)



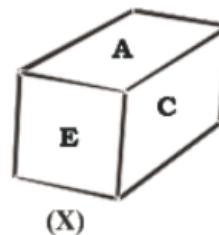
(2)



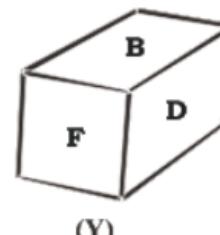
(3)



(4)



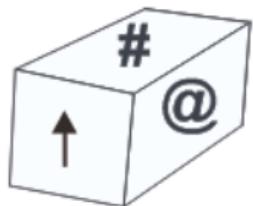
(X)



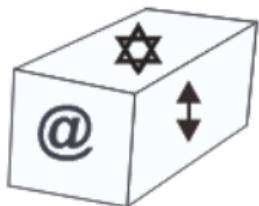
(Y)

Directions (33 - 35): Study all the positions of a dice and answer the following:

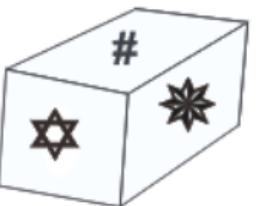
निर्देश (33 - 35): दिये गये पासे के चारों स्थितियों का अध्ययन करते हुए प्रश्नों का उत्तर दें-



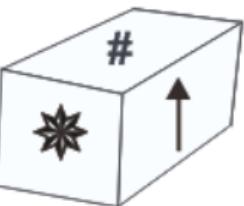
I



II



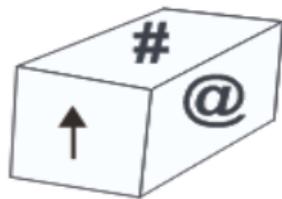
III



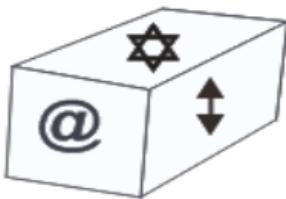
IV

33. Which symbol will be opposite to #?

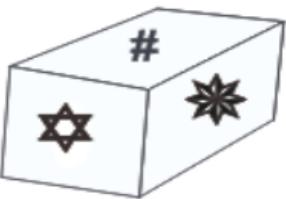
के विपरीत कौन-सा चिन्ह होगा?



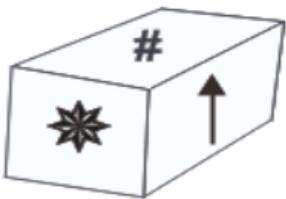
I



II



III



IV

(1) \leftrightarrow

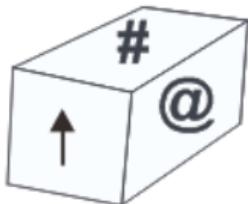
(2) \uparrow

(3) $*$

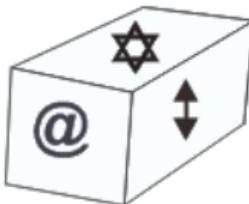
(4) \star

34. Which symbol will be opposite to $\uparrow\downarrow$

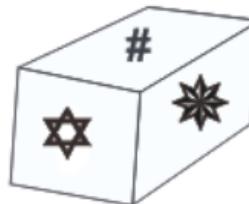
$\uparrow\downarrow$ के विपरीत कौन-सा चिन्ह होगा?



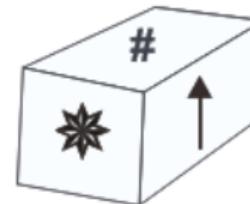
I



II



III



IV

(1) @

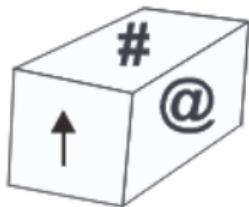
(2) \uparrow

(3) *

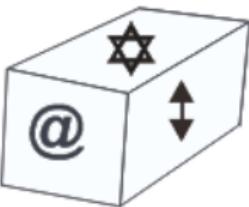
(4) #

35. Which symbol will be in opposite to * ?

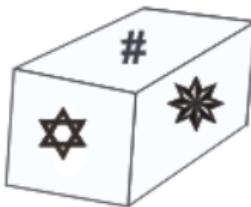
* के सामने कौन-सा चिन्ह होगा?



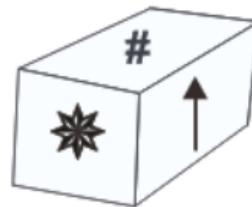
I



II



III



IV

(1) @

(2) ↑

(3) ⇄

(4) *

ANSWER KEY

- | | | | | |
|--------|---------|---------|---------|---------|
| 1. (4) | 8. (3) | 15. (2) | 22. (4) | 29. (4) |
| 2. (1) | 9. (3) | 16. (2) | 23. (3) | 30. (1) |
| 3. (3) | 10. (4) | 17. (3) | 24. (4) | 31. (2) |
| 4. (3) | 11. (4) | 18. (4) | 25. (3) | 32. (1) |
| 5. (1) | 12. (1) | 19. (2) | 26. (2) | 33. (1) |
| 6. (3) | 13. (2) | 20. (3) | 27. (4) | 34. (4) |
| 7. (1) | 14. (4) | 21. (4) | 28. (4) | 35. (1) |