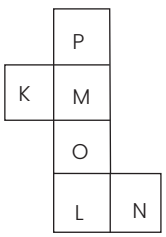
# 23 CUBES AND DICES

## EXERCISE 23B

**For SSC CHSL Exams**

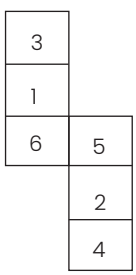
1. A cube is made by folding the given sheet. In the cube so formed, what would be the letter on the opposite side of 'K'?




**SSC CHSL 12/08/2021 (Shift-3)**

(a) L (b) P
(c) N (d) O

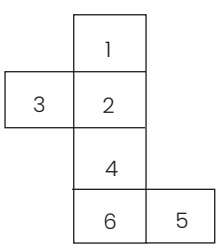
2. A cube is made by folding the given sheet. In the cube so formed, what would be the number on the opposite side of '1'?




**SSC CHSL 12/08/2021 (Shift-2)**

(a) 4 (b) 2
(c) 6 (d) 5

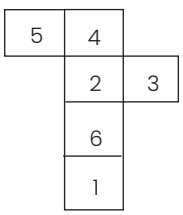
3. A cube is made by folding the given sheet. In the cube so formed, which of the following pairs of numbers will be on opposite sides?




**SSC CHSL 12/08/2021 (Shift-1)**

(a) 2 and 3 (b)1 and 6
(c) 3 and 5 (d)1 and 2

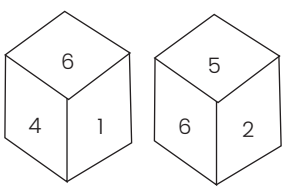
4. If the given figure is folded to form a cube, which number will be on the face opposite to one having "1"?




**SSC CHSL 11/08/2021 (Shift-3)**

(a) 4 (b) 2 (c) 3 (d) 5

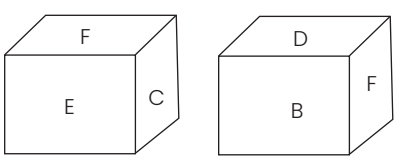
5. Two different positions of the same dice are shown, the six faces of which are numbered from 1 to 6. Select the number that will be on the face opposite to the face having '3'.




**SSC CHSL 11/08/2021 (Shift-2)**

(a) 5 (b) 2 (c) 6 (d) 4

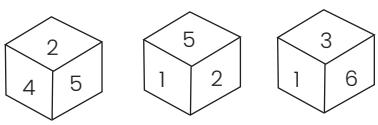
6. Two different positions of the same dice are shown. Select the letter that will be on the face opposite to the face showing "C".




**SSC CHSL 11/08/2021 (Shift-1)**

(a) A (b) D (c) F (d) B

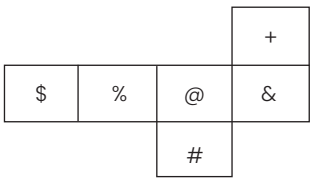
7. Three different positions of the same dice are shown. Select the number that will be on the face opposite to the face having the number 4.




**SSC CHSL 10/08/2021 (Shift-3)**

(a) 6 (b) 1 (c) 3 (d) 2

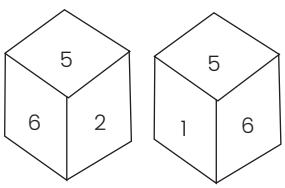
8. A cube is made by folding the given sheet. In the cube so formed, What would be the symbol on the opposite side of the "@"?




**SSC CHSL 10/08/2021 (Shift-2)**

(a) # (b) % (c) $ (d) &

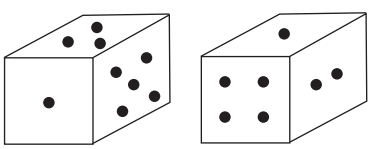
9. Two different positions of the same dice are shown. The 6 faces of which are numbered from 1 to 6. Which number will be on the opposite side to the face showing '2'.




**SSC CHSL 10/08/2021 (Shift-1)**

(a) 3 (b) 6 (c) 5 (d) 1

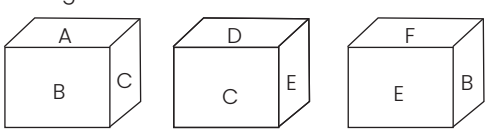
10. Two different positions of the same dice are given below. How many dots will be on the face opposite to the face having 1 dot.



**SSC CHSL 09/08/2021 (Shift-3)**

(a) 6 (b) 2 (c) 5 (d) 4

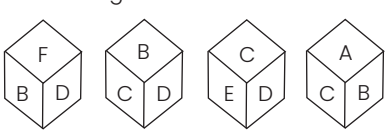
11. Three different positions of a dice are shown. Select the letter that will be on the face opposite of A to the one having




**SSC CHSL 26/10/2020 (Shift-3)**

(a) E (b) F (c) D (d) C

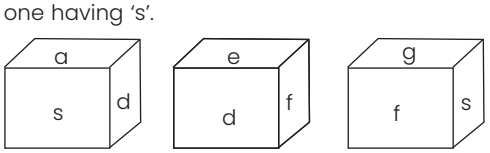
12. Four different positions of the same dice are shown. Select the letter that will be on the face opposite to the one having B.




**SSC CHSL 26/10/2020 (Shift-2)**

(a) E (b) A (c) C (d) D

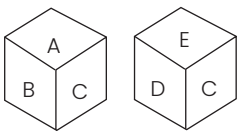
13. Three different positions of the same dice are shown. Select the letter that will be on the face opposite to the one having 's'.




**SSC CHSL 26/10/2020 (Shift-1)**

(a) a (b) f (c) e (d) d

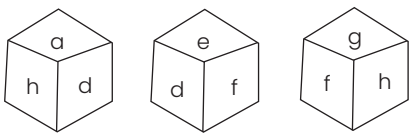
14. Two different positions of the same dice shown here. Select the letter that will be on the face opposite to the one showing the letter 'C'




**SSC CHSL 21/10/2020 (Shift-2)**

(a) F (b) A (c) E (d) B

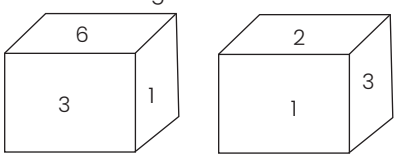
15. Three different positions of the same dice are shown. Select the letter that will be on the face opposite to the one having 'f.




**SSC CHSL 21/10/2020(Shift-1)**

(a) a (b) d (c) g (d) h

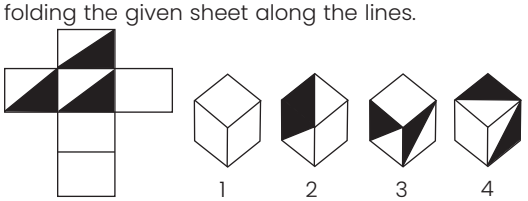
16. Two different positions of the same dice are shown. Select the number that will be on the face opposite to the one having '6'




**SSC CHSL 20/10/2020(Shift-3)**

(a) 5 (b) 1 (c) 4 (d) 2

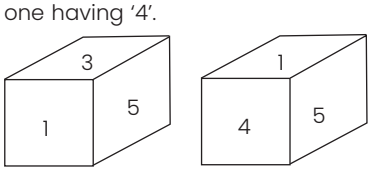
17. Select the box (figures 1 to 4) that can be formed by folding the given sheet along the lines.




**SSC CHSL 20/10/2020 (Shift-2)**

(a) Only figures 1 and 2 (b) Only figures 1, 3 and 4
(c) Only figure 4 (d) Only figure 2

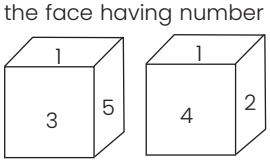
18. Two different positions of the same dice are shown. Select the number that will be on the face opposite to one having '4'.




**SSC CHSL 20/10/2020 (Shift-1)**

(a) 6 (b) 3 (c) 1 (d) 2

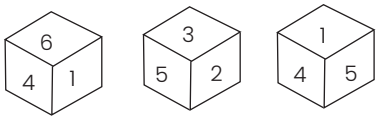
19. Two different positions of the same dice are shown. Select the number that will be on the face opposite to the face having number '3".




**SSC CHSL 19/10/2020 (Shift-3)**

(a) 2 (b) 6 (c) 4 (d) 3

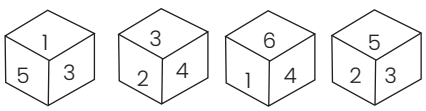
20. Three different positions of the same dice are shown. Select the number that will be on the face opposite to the face having number '5'.




**SSC CHSL 19/10/2020 (Shift-2)**

(a) 2 (b) 4 (c) 3 (d) 6

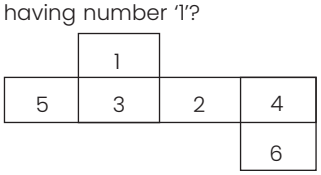
21. Four different positions of the same dice are shown. Select the number that will be on the face opposite to the face having number '1'.




**SSC CHSL 19/10/2020 (Shift-1)**

(a) 5 (b) 4 (c) 2 (d) 6

22. If the following figure is folded to form a cube, then which number will be on the face opposite to the face having number '1'?

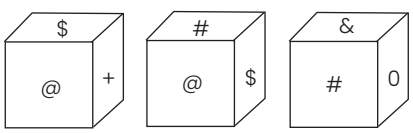



**SSC CHSL 16/10/2020 (Shift-3)**

(a) 5 (b) 4 (c) 6 (d) 1

23. Three different positions of the same dice are shown. Select the pattern that will be on the face opposite to the one having '+'.

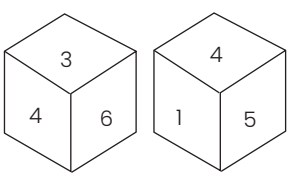
**SSC CHSL 09/07/2019 (Shift-2)**




(a) # (b) $ (c) & (d) O

24. Two different positions of the same dice are shown below, the six faces of which are numbered 1 to 6. Find the number opposite to the face having 2.

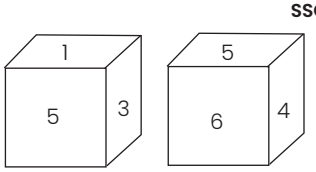
**SSC CHSL 09/07/2019 (Shift-1)**




(a) 4 (b) 1 (c) 6 (d) 3

25. Two different positions of the same dice are shown below, the six faces of which are numbered 1 to 6. Find the number in the face opposite to the having 5.

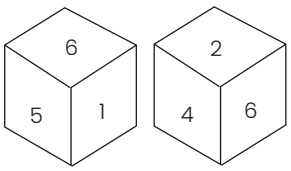
**SSC CHSL 08/07/2019 (Shift-3)**




(a) 6 (b) 4 (c) 2 (d) 3

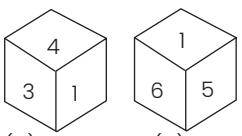
26. Two different positions of the same dice are shown below, the six faces of which are numbered 1 to 6. Find the number opposite to the face having 3?

**SSC CHSL 08/07/2019 (Shift-2)**




(a) 5 (b) 2 (c) 4 (d) 6

27. Two different positions of the same dice are shown below, the six faces of which are numbered 1 to 6. Find the number opposite to the face having 1.

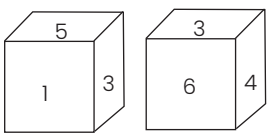



(a) 5 (b) 3 (c) 2 (d) 4

**SSC CHSL 08/07/2019 (Shift-1)**

28. Two different positions of the same dice are shown below, the six faces of which are numbered 1 to 6. Find the number on the face opposite to the one having 3.

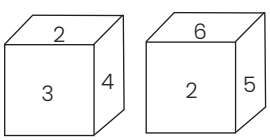
**SSC CHSL 05/07/2019 (Shift-3)**




(a) 2 (b) 6 (c) 4 (d) 1

29. Two different positions of the same dice are shown below, the six faces of which are numbered 1 to 6. Find the number on the face opposite to the one having 2.

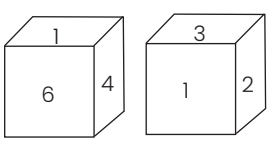
**SSC CHSL 05/07/2019 (Shift-2)**




(a) 3 (b) 1 (c) 4 (d) 2

30. Two different positions of the same dice are shown below, the six faces of which are numbered 1 to 6. Find The number of the face opposite to the one having '5'.

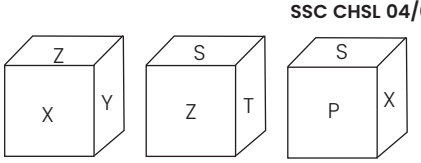
**SSC CHSL 05/07/2019 (Shift-1)**




(a) 2 (b) 1 (c) 3 (d) 4

31. Three different positions of the same dice are shown. Which alphabet will appear on the opposite surface on which alphabet P appears?

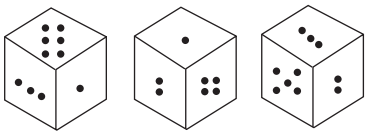
**SSC CHSL 04/07/2019 (Shift-3)**




(a) Z (b) S (c) T (d) X

32. Three different positions of the same dice, which has one to six dots on its faces, are shown below. When six dots are at the bottom then the number of dots on the top will be:

**SSC CHSL 04/07/2019 (Shift-2)**



(a) 5 (c) 3 (c) 2 (d) 4

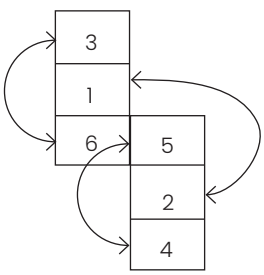
## SOLUTIONS

1. (c) After folding the cube

P opposite O
M opposite L
K opposite N

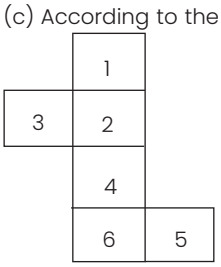
2. (b) The alternative position of faces becomes opposite to each other

2 opposite of 1




Hence, 'b' is correct option.

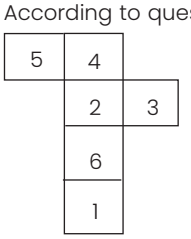
3. (c) According to the question




1 opposite of 4
2 opposite of 6
3 opposite of 5

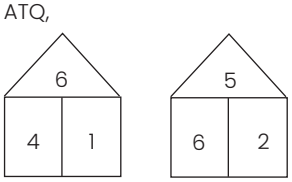
Hence, option 'c' is correct

4. (b) According to question,




4 opposite 6
2 opposite 1
5 opposite 3

5. (c) ATQ,




6 is a common number in both dices and we rotate the dice from common number 6 anticlock wise or clock wise

6 4 1
3 2 5

Therefore, 6 is opposite to 3.
Hence, option 'c' is correct.

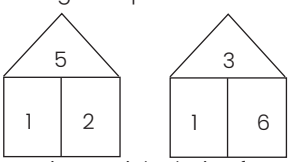
6. (d) ATQ

F is a common alphabet in both side


Therefore, B is opposite to C.
Hence, option 'd' is correct.

7. (b) ATQ

Taking dice position 2 and 3 with 1 as common.



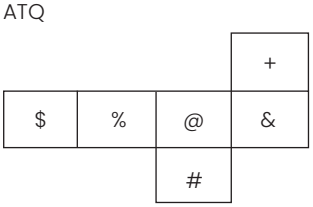

moving anticlockwise from common number

1 2 5
4 6 3

opposite pair
1 → 4
2 → 6
5 → 3

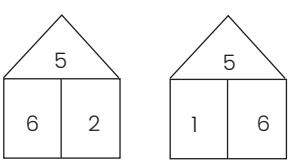
Hence, option 'B' is correct

8. (c) ATQ




Opposite pair
$ → @
% → &
+ → #
Hence, option (c) is correct.

9. (d) ATQ,




Position of two number 6 and 5 are common in both dices. 2 and 1 are opposite in both dices.
Hence, option d's correct

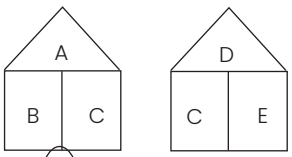
10. (a) ATQ,

Dot 1 is common number is both dice and moving anticlockwise.

1 5 3
6 4 2

Hence, option 'a' is correct

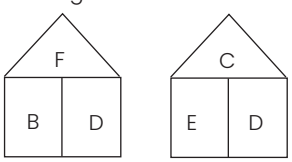
11. (a) ATQ,
Taking dice position 1 and 2 with C as common alphabet and moving anti'Clockwise'




Common (C, C) A → E, B → D

Hence, option 'a' is correct

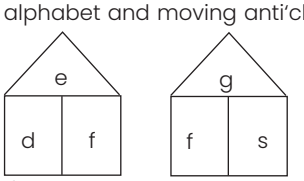
12. (a) ATQ,
Taking dice position 1 and 3 with D as common and moving anticlockwise




Common (D, D) F → C, B → E

Hence, option 'a' is correct

13. (c) ATQ,
Taking dice position 2 and 3 with 'f' as common alphabet and moving anti'clockwise'




f → f, e → s, d → g

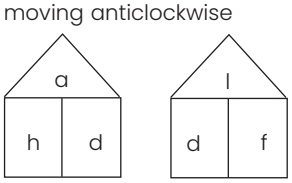
Option 'c' is correct.

14. (a) ATQ,
c is a common alphabet is given both dice

C → F, A → E, B → D

Option 'a' is correct

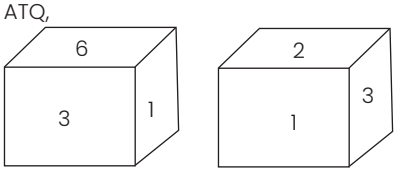
15. (a) ATQ,
Taking dice position 1 and 2 with 'd' as common and moving anticlockwise




Common (d, d) a → f, h → e

Hence, Option (a) is correct

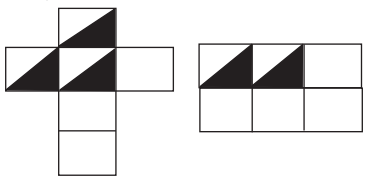
16. (d) ATQ,




Position of two number 1 and 3 are common in both dice. Then number 6 on Ist dice and number 2 on IInd dice are opposite each other.

Hence, option'd' is correct

17. (b) ATQ,



1. Fully blank (✓)
2. Fully shaded (×)
3. 2 half shaded and 1 blank (✓)
4. 2 half shaded and one blank (✓)

Therefore figure 1, 3 and 4 can be formed

18. (b) ATQ,
Position of 1 and 5 are common in both dice number 3 on Ist dice and number 4 on IInd dice are opposite to each other

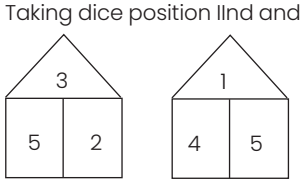
Hence, option 'b' is correct

19. (c) ATQ,
1 is common number of given dices.

(1, 1) 3 → 4, 5 → 2 (moving anticlock wise )

Hence, option 'c' is correct

20. (d) ATQ,
Taking dice position IInd and IIIrd with 5 as common

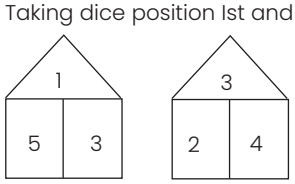



(moving anticlock wise)

(5, 5) 2 → 1, 3 → 4

6 is opposite of 5

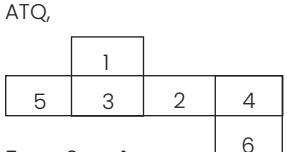
21. (c) ATQ,
Taking dice position Ist and IInd with 3 as common




3 1 5 (moving anticlock wise)
3 2 4

Hence, option 'c' is correct

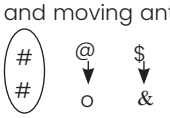
22. (c) ATQ,




5 → 2, 3 → 4, 1 → 6 Opposite

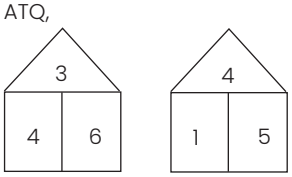
Hence option 'c' is correct

23. (a) ATQ,
Taking dices position IInd and IIIrd with '#' as common and moving anticlockwise from common number.

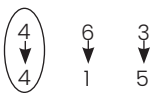



'#' is opposite to '+'
Hence, option 'a' is correct

24. (a) ATQ,




4 is common number of both dice and moving anticlockwise from common number.

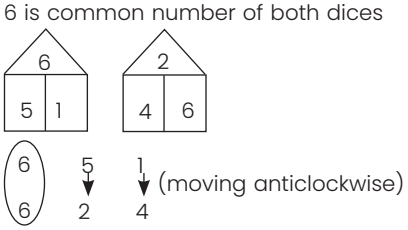



4 is opposite to 2
Hence, option 'a' is correct

25. (c) ATQ,
5 is the common number of both dices and moving anticlockwise from common number.

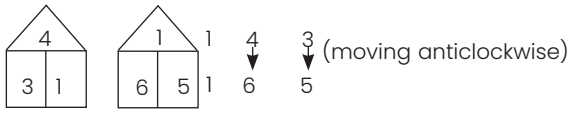

Hence, option 'c' is correct

26. (d) ATQ,
6 is common number of both dices




6 is opposite to 3
Hence, option 'd' is correct

27. (c) ATQ,
6 is common number of both dices

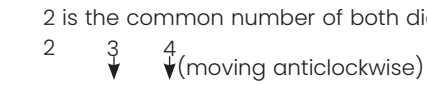



2 opposite to 1
Hence, option 'c' is correct

28. (a) ATQ,
3 is the common number of both dices

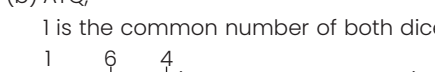

3 opposite to 2
Hence, option 'a' is correct

29. (b) ATQ,
2 is the common number of both dices



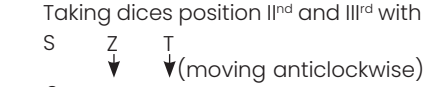

2 is opposite to 1

30. (b) ATQ,
1 is the common number of both dices



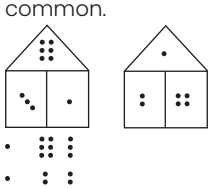

1 is opposite to 5

31. (b) ATQ,
Taking dices position IInd and IIIrd with 's' as common




Z is opposite to P

32. (c) ATQ,
Taking dices position Ist and IInd with 34 dot 1 as common.

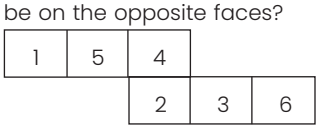


6 dots are bottom and 2 dots are top beacuse 6 is opposite to 2 dots.

## EXERCISE 23C

### For SSC CGL and CPO Exams

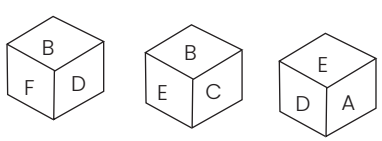
1. A cube is made by folding the given sheet. In the cube so formed. Which of the following pairs of numbers will be on the opposite faces?




**SSC CGL 21/4/2022(Shift-3)**

(a) 3 and 5 (b) 1 and 5
(c) 4 and 6 (d) 2 and 4

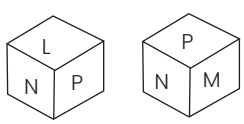
2. Three different positions of the same dice are shown select the letter that will be on the face opposite to the face having the letter 'C'



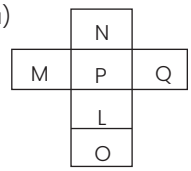

**SSC CGL 21/4/2022(Shift-2)**

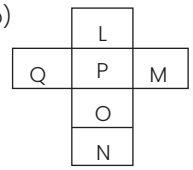
(a) A (b) B (c) E (d) D

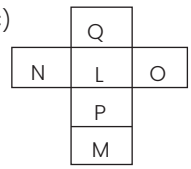
3. Two orientation of the same box are shown. How will this box look when unfolded?

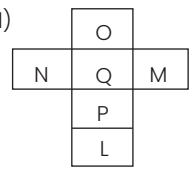



**SSC CGL 21/4/2022(Shift-2)**

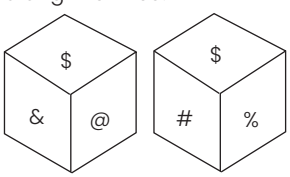
(a)



(b)


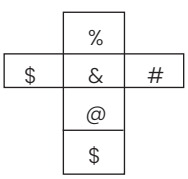

(C)


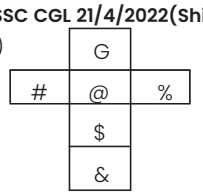

(d)


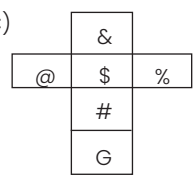

4. Three orientation of a dice are shown. The dice can be obtained by folding which of the following option figure along the lines?

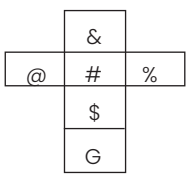



**SSC CGL 21/4/2022(Shift-1)**

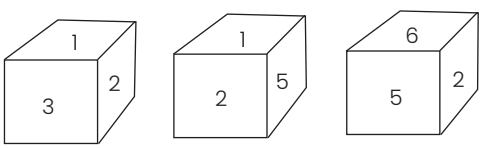
(a)



(b)



(C)



(d)


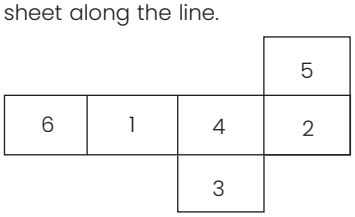

5. Three different position of the same dice are shown. Study the same and identify which of the following statement is correct.



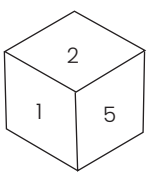

**SSC CGL 21/4/2022(Shift-1)**

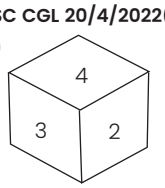
(a) 1 is opposite to 4 (b) 3 is opposite to 6
(c) 6 is opposite to 1 (d) 5 is opposite to 2

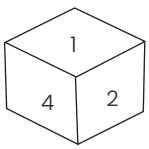
6. Select the dice that can be formed by folding the given sheet along the line.

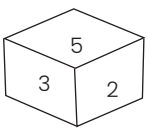



**SSC CGL 20/4/2022(Shift-3)**

(a)


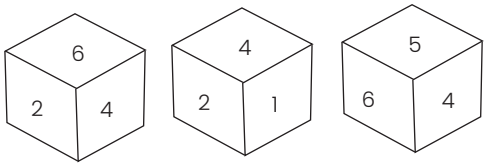

(b)



(c)



(d)



7. Three different positions of the same dice are shown here. Which number is on the face opposite the face showing '5'?

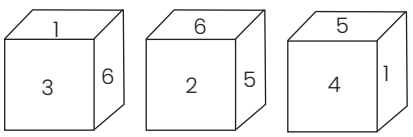
**SSC CGL 13/06/2019(Aftornoon)**




(a) 1 (b) 3 (c) 2 (d) 6

8. Three different positions of the same dice are shown. Which number will be on the face opposite to the one having 4?

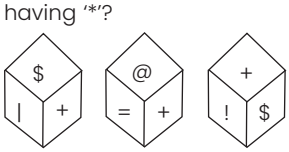
**SSC CGL 13/06/2019(Shift-1)**




(a) 1 (b) 3 (c) 6 (d) 2

9. Three different positions of the same dice are shown. Which symbol will be on the face opposite to the one having '*'?

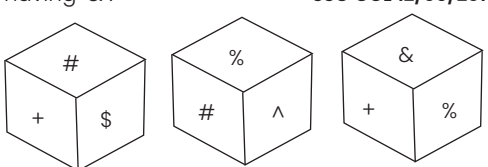
**SSC CGL 12/06/2019(Shift-3)**




(a) $ (b) ! (c) + (d) @

10. Three different positions of the same dice are shown. Which symbol will be on the face opposite to the one having '&'?

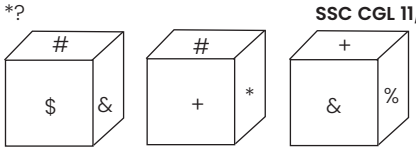
**SSC CGL 12/06/2019(Shift-2)**




(a) # (b) + (c) % (d) #

11. Three different positions of a dice are shown below. Which number will appear on the face opposite number *?

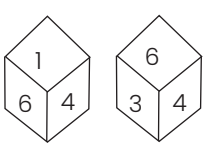
**SSC CGL 11/06/2019(Shift-3)**




(a) & (b) + (c) % (d) #

12. Two different positions of a dice are shown below. Which number will appear on the face opposite number 1?

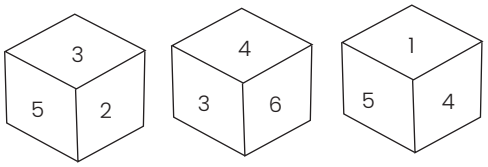
**SSC CGL 11/06/2019(Shift-2)**




(a) 2 (b) 4 (c) 3 (d) 5

13. Three different positions of a dice are shown below. Which number will appear on the face opposite number 6?

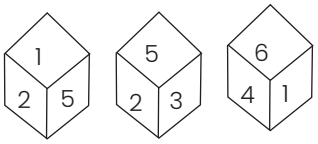
**SSC CGL 11/06/2019(Shift-1)**




(a) 1 (b) 2 (c) 4 (d) 5

14. Three different positions a same dice are shown below. Which number will appear on the face opposite number 4?

**SSC CGL 10/06/2019(Shift-3)**

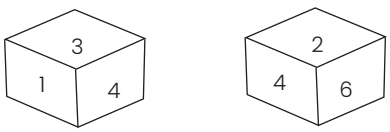



(i) (ii) (iii)

(a) 3 (b) 6 (c) 2 (d) 5

15. Two different positions of the same dice are shown below. Which number will be at the top if 5 is at the bottom?

**SSC CGL 10/06/2019(Shift-1)**

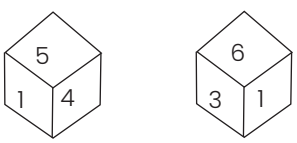



(i) (ii)

(a) 6 (b) 4 (c) 2 (d) 3

16. Two different positions of the same dice are given. Which number will be at the top when 3 will be at the bottom?

**SSC CGL 07/06/2019(Shift-3)**

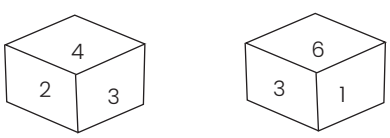



(i) (ii)

(a) 1 (b) 2 (c) 5 (d) 4

17. Two different positions of the same dice are shown. Which number will be at the top when 6 will be at the bottom?

**SSC CGL 07/06/2019(Shift-2)**

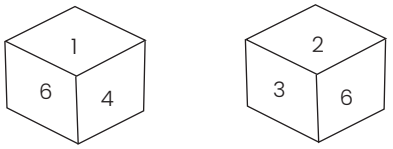



(i) (ii)

(a) 5 (b) 3 (c) 4 (d) 2

18. Two rotated positions of a dice are given below. Which number will be at the top if the number 1 is at the bottom of the dice?

**SSC CGL 06/06/2019(Shift-3)**

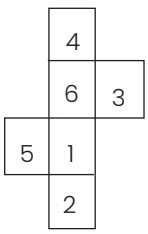


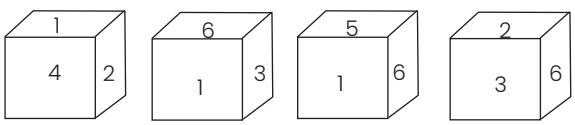

(i) (ii)

(a) 2 (b) 6 (c) 3 (d) 5

19. Select the dices that can be formed by folding the given sheet along the lines.

**SSC CGL 3/3/2020 (Shift-3)**



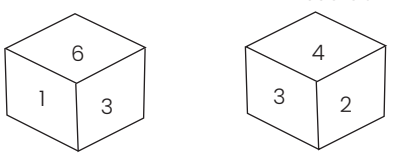




(a) (b) (c) (d)

(a) Only B and D (b) Only B, C and D
(c) Only A and B (d) Only B and C

20. Two different positions of the same dice are shown. Which number will be at the top if 1 is at the bottom?

**SSC CGL 06/06/2019 (Shift-1)**

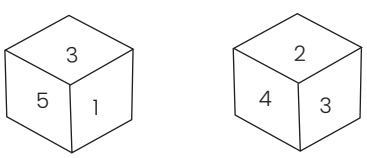



(i) (ii)

(a) 4 (b) 2 (c) 6 (d) 5

21. Two different positions of the same dice are shown. Which number will be at the top if 6 is at the bottom?

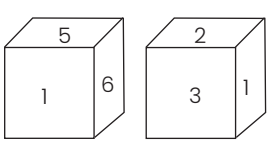
**SSC CGL 04/06/2019- afternoon**




(a) 1 (b) 3 (c) 2 (d) 4

22. Two different positions of the same dice are shown. Which number will be at the top if 6 is at the bottom?

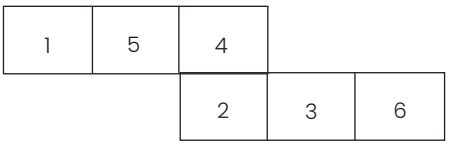
**SSC CGL 04/06/2019 (Shift-1)**




(a) 4 (b) 3 (c) 5 (d) 2

## SOLUTIONS

1. (a) ATQ,

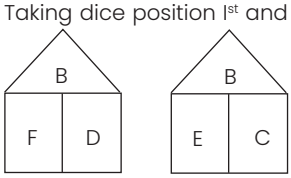



5 6 4
↕ ↕ ↕ (opposite)
3 2 1

3 and 5 Hence, option 'a' is correct

2. (d) ATQ,

Taking dice position I[st] and II[nd] with B an Common




B F D
↓ ↓ (moving anticlockwise)
B E C

D opposite to C

Hence, option 'd' is correct

3. (c) ATQ,

N, P are common in both dice therefore Land M are opposite alphabet, after unfolded. So option 'c' is correct

4. (c) ATQ,

'$' is a common in both dice

$ & @
↓ ↓ (moving anticlockwise)
$ # %

Option figure 'c' is correct

5. (c) ATQ,

Taking dice I[st] and II[nd] with 2 as comma

2 1 3
↓ ↓ (moving anticlockwise)
2 6 5

option 'c' is correct

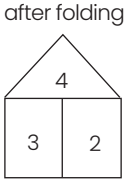
6. (b) ATQ,

6 opposite 4

1 opposite 2

5 opposite 3

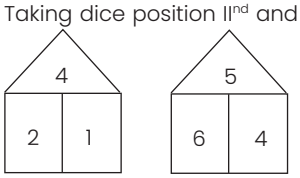
after folding a sheet, we make the figure for option (b)




option 'b' is correct

7. (c) ATQ,

Taking dice position II[nd] and III[rd] with as Common




4 2 1
↓ ↓ (moving anticlockwise)
4 5 6

2 is opposite to 5

8. (c) ATQ,

Taking dice position I[st] and III[rd] with 1 as Common

1 3 6
↓ ↓ (moving anticlockwise)
1 5 4

6 is opposite to 4

9. (c) ATQ,

Taking dice position II[nd] and III[rd] with '+' as common symbol

+ @ #
↓ ↓ (Moving anticlockwise)
+ I $

'+' is opposite to '*'

10. (a) ATQ,

Taking dice position I[st] and III[rd] with '+' as common symbol

+ $ #
↓ ↓ (Moving anticlockwise)
+ & ₴

'#' is opposite to '&'

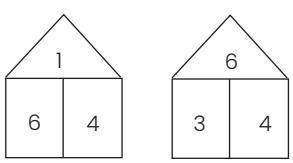
11. (a) ATQ,

Taking dice position II[nd] and III[rd] with an '+' common symbol

+ * #
↓ ↓ (Moving anticlockwise)
+ & %

'&' is opposite to '#'

12. (c) ATQ



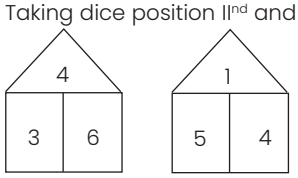

Number 6 and 4 are Common in both dices

so, 1 is opposite to 3

Hence, option 'c' is correct

13. (d) ATQ,

Taking dice position II[nd] and III[rd] with 4 an Common




4 3 6
↓ ↓ (Moving anticlockwise)
4 1 5

'5 is opposite to 6'

Hence option 'd' is correct

14. (d) ATQ,

Taking dice position I[st] and III[rd] with 1 as Common

1 2 5
↓ ↓ (moving anticlockwise)
1 6 4

'5 is opposite to 4'
Hence, option 'd' is correct

15. (b) ATQ

Common (4, 4) 3 ↓ 6, 1 ↓ 2 (moving anticlockwise)

'5' is opposite to '4'
so, 5 is at bottom and 4 is at top

16. (c) ATQ

Common (1, 1) 4 ↓ 6, 5 ↓ 3

'5' is opposite to '3'
so, 3 will be at bottom and 5 will be at top

17. (d) ATQ

Common (3, 3) 4 ↓ 1, 2 ↓ 6

'6' is opposite to '2'
so, 6 will be at bottom and 2 will be at top

18. (c) ATQ

Common (6, 6) 4 ↓ 2, 1 ↓ 3

'1' is opposite to '3'
so, 1 is at bottom and 3 is at top

19. (d) Opposite pairs are

5 6 4
↓ ↓ ↓
3 2 1

20. (a) ATQ,

3 6 1
↓ ↓ (Moving anticlockwise)
3 2 4

so 4 is at top if 1 is at bottom.

21. (b)ATQ

3 5 1
↓ ↓ (Moving anticlockwise)
3 2 4

6 is opposite to '3'
so, 3 is at top if 6 is at bottom.

22. (d) ATQ

Common (1, 1) 6 ↓ 2, 5 ↓ 3 (moving anticlockwise)

so, 2 is at top if 6 is at bottom