

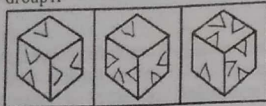
## CHAPTER 17

### Introduction:

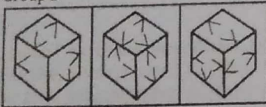
In such type of questions, you will be given two Groups of cubes. Both, Group A and Group B will have certain pattern or symbol and from the answer figures, you have to find which cube belongs to Group A. Group B is given to help you to find the cube. Group A and B will possess different characteristics this making it easier for a candidate to solve the question. Let us understand the concept using some examples:

#### Example 1: Question Figure:

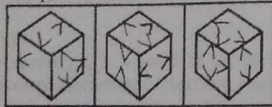
Group A



Group B



Which one of the following cubes which are given below can possibly belong to Group A?

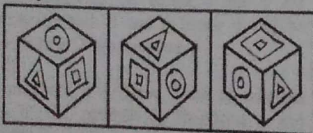


(A) (B) (C)

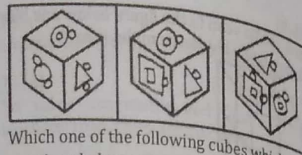
Explanation: In group A the symbol is pointing inward whereas in Group B the symbol is pointing outward. In option B one side of the cube has symbol pointing inward. Hence the answer is option B

#### Example 2: Question Figure:

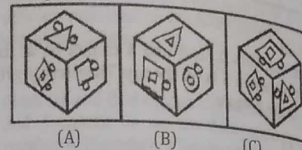
Group A



Group B



Which one of the following cubes which are given below can possibly belong to Group A?

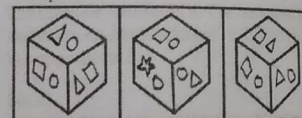


(A) (B) (C)

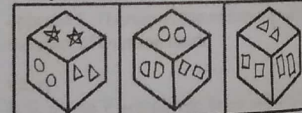
Explanation: In group A the symbol consist of the same figure within it whereas in Group B each symbol has a dot attached to it. In option B one side of the cube matched the property of group A. Hence the answer is option B.

#### Example 3: Question Figure:

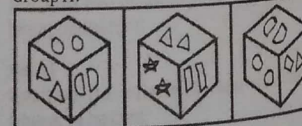
Group A



Group B



Which one of the following cubes which are given below can possibly belong to Group A?



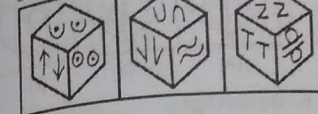
(A) (B) (C)

Explanation: Group A consist of two different symbols whereas Group B has

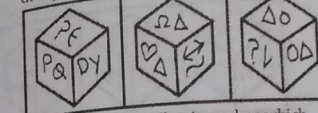
identical symbols. Hence the answer is option C as it has two different symbols.

#### Example 4: Question Figure:

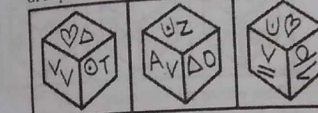
Group A



Group B



Which one of the following cubes which are given below can possibly belong to Group A?



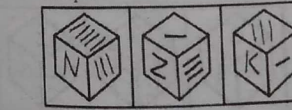
(A) (B) (C)

Explanation: Group A consist of two different symbols whereas Group B has identical symbols. Hence the answer is option A as it has two different symbols.

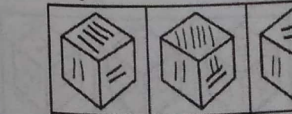
### EXERCISE:

#### 1. Question Figure:

Group A

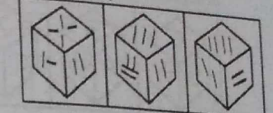


Group B



(A) (B) (C)

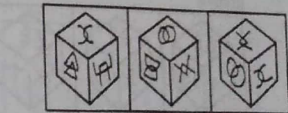
Which one of the following cubes which are given below can possibly belong to Group A?



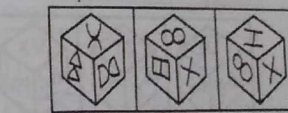
(A) (B) (C)

#### 2. Question Figure:

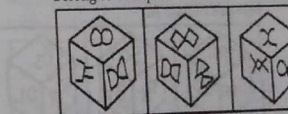
Group A



Group B



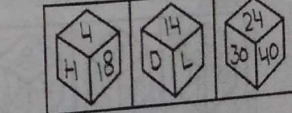
Which one of the following cubes which are given below can possibly belong to Group A?



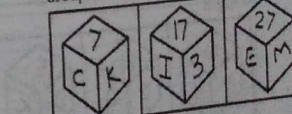
(A) (B) (C)

#### 3. Question Figure:

Group A

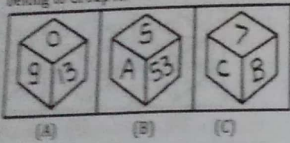


Group B

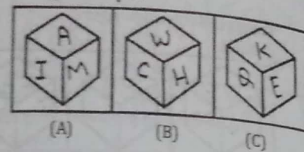


(A) (B) (C)

Which one of the following cubes which are given below can possibly belong to Group A?



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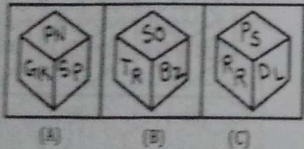
4. Question Figure:  
Group A



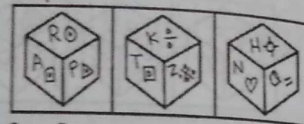
Group B



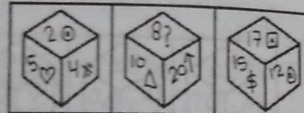
Which one of the following cubes which are given below can possibly belong to Group A?



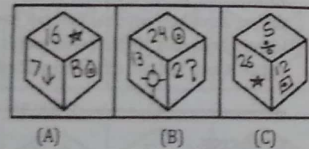
6. Question Figure:  
Group A



Group B



Which one of the following cubes which are given below can possibly belong to Group A?



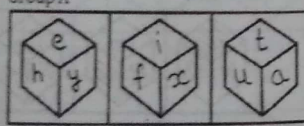
5. Question Figure:  
Group A



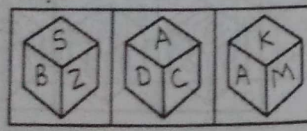
Group B



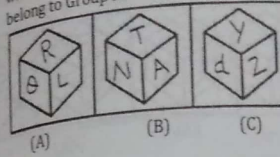
7. Question Figure:  
Group A



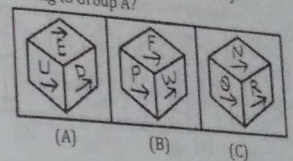
Group B



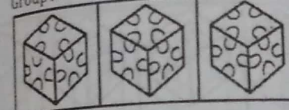
Which one of the following cubes which are given below can possibly belong to Group A?



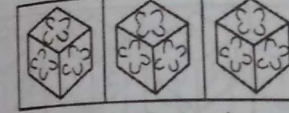
Which one of the following cubes which are given below can possibly belong to Group A?



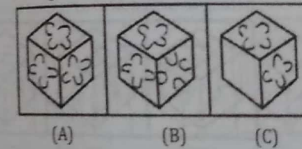
8. Question Figure:  
Group A



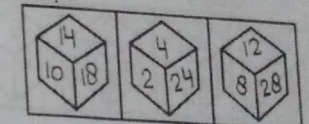
Group B



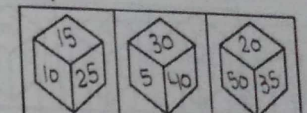
Which one of the following cubes which are given below can possibly belong to Group A?



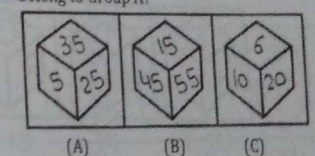
10. Question Figure:  
Group A



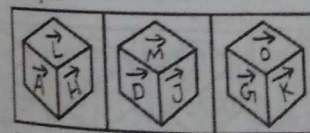
Group B



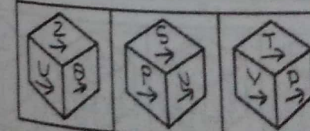
Which one of the following cubes which are given below can possibly belong to Group A?



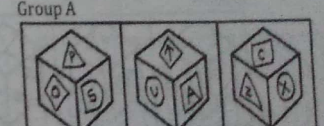
9. Question Figure:  
Group A



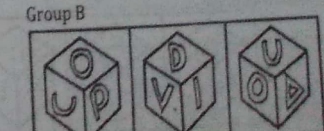
Group B



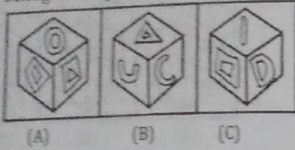
11. Question Figure:  
Group A



Group B



Which one of the following cubes which are given below can possibly belong to Group A?



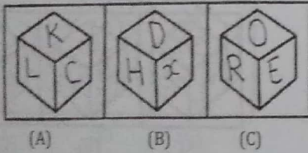
12. Question Figure:  
Group A



Group B



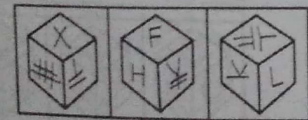
Which one of the following cubes which are given below can possibly belong to Group A?



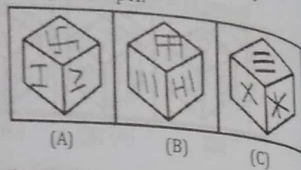
13. Question Figure:  
Group A



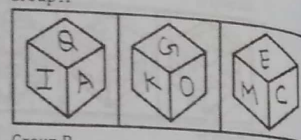
Group B



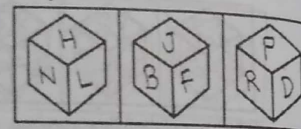
Which one of the following cubes which are given below can possibly belong to Group A?



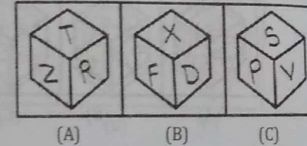
14. Question Figure:  
Group A



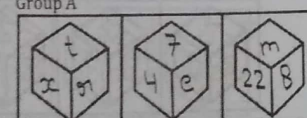
Group B



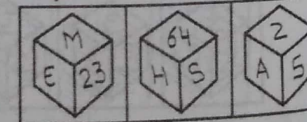
Which one of the following cubes which are given below can possibly belong to Group A?



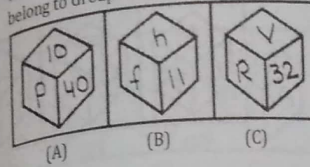
15. Question Figure:  
Group A



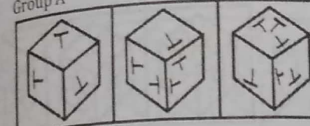
Group B



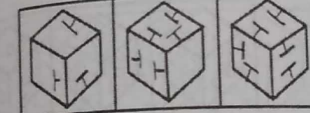
Which one of the following cubes which are given below can possibly belong to Group A?



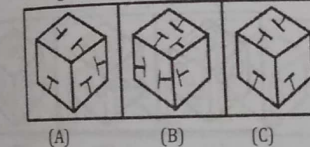
16. Question Figure:  
Group A



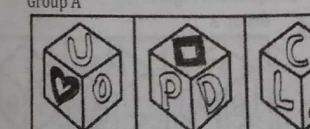
Group B



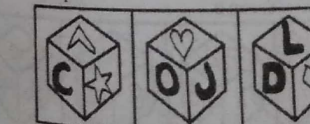
Which one of the following cubes which are given below can possibly belong to Group A?



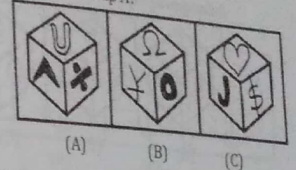
17. Question Figure:  
Group A



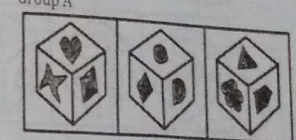
Group B



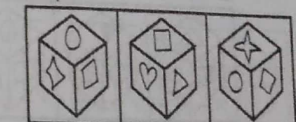
Which one of the following cubes which are given below can possibly belong to Group A?



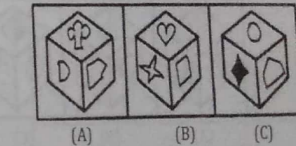
18. Question Figure:  
Group A



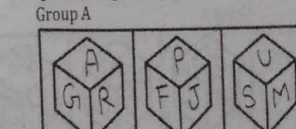
Group B



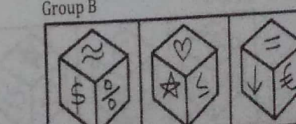
Which one of the following cubes which are given below can possibly belong to Group A?



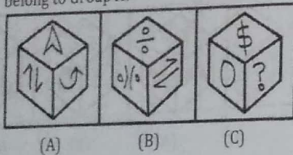
19. Question Figure:  
Group A



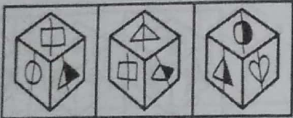
Group B



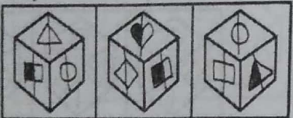
Which one of the following cubes which are given below can possibly belong to Group A?



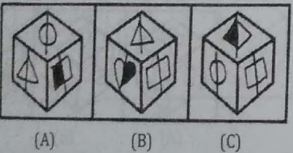
20. Question Figure:  
Group A



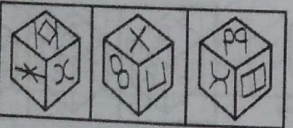
Group B



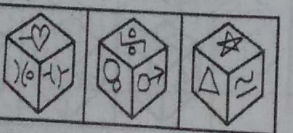
Which one of the following cubes which are given below can possibly belong to Group A?



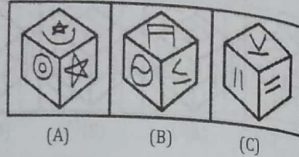
21. Question Figure:  
Group A



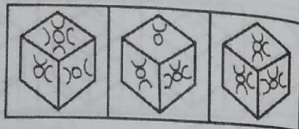
Group B



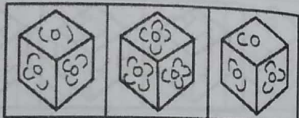
Which one of the following cubes which are given below can possibly belong to Group A?



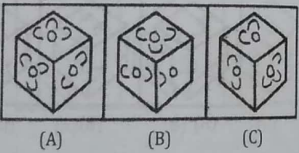
22. Question Figure:  
Group A



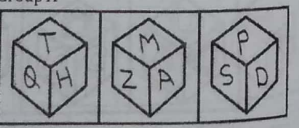
Group B



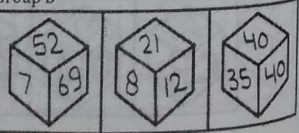
Which one of the following cubes which are given below can possibly belong to Group A?



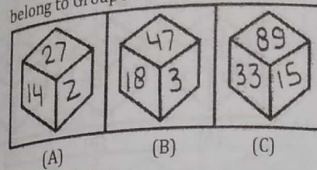
23. Question Figure:  
Group A



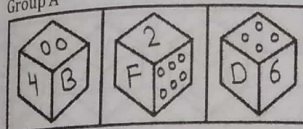
Group B



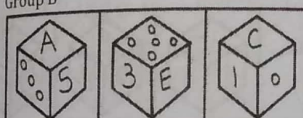
Which one of the following cubes which are given below can possibly belong to Group A?



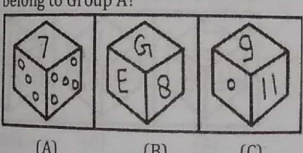
24. Question Figure:  
Group A



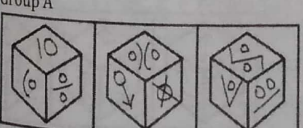
Group B



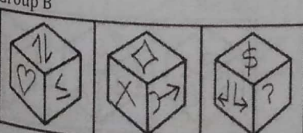
Which one of the following cubes which are given below can possibly belong to Group A?



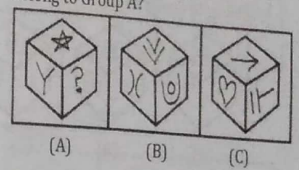
25. Question Figure:  
Group A



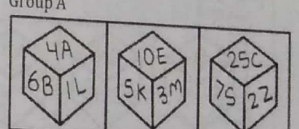
Group B



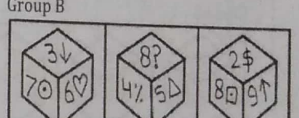
Which one of the following cubes which are given below can possibly belong to Group A?



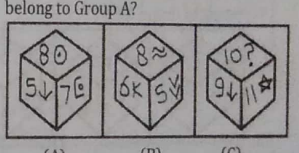
26. Question Figure:  
Group A



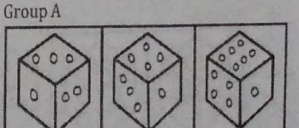
Group B



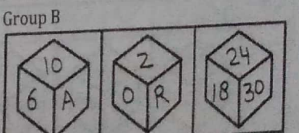
Which one of the following cubes which are given below can possibly belong to Group A?



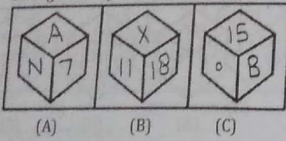
27. Question Figure:  
Group A



Group B



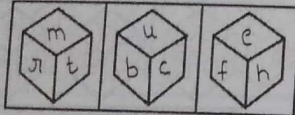
Which one of the following cubes which are given below can possibly belong to Group A?



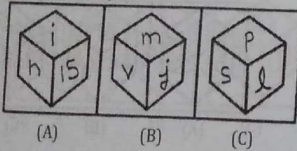
28. Question Figure:  
Group A



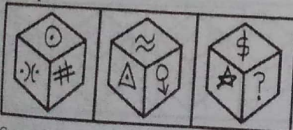
Group B



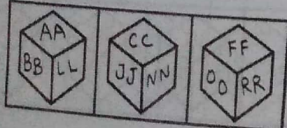
Which one of the following cubes which are given below can possibly belong to Group A?



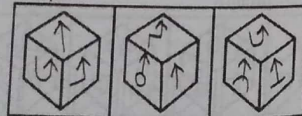
29. Question Figure:  
Group A



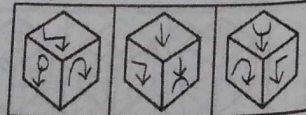
Group B



31. Question Figure:  
Group A

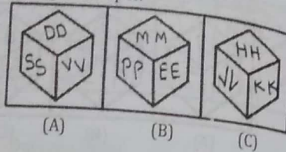


Group B

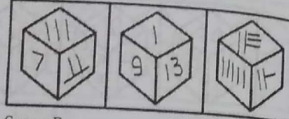


Which one of the following cubes which are given below can possibly belong to Group A?

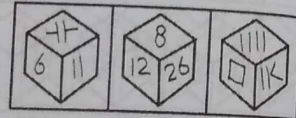
Which one of the following cubes which are given below can possibly belong to Group A?



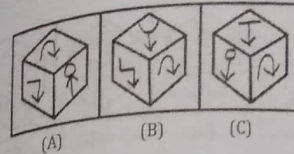
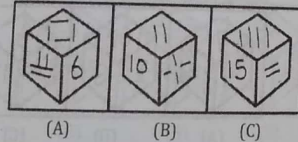
30. Question Figure:  
Group A



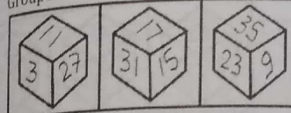
Group B



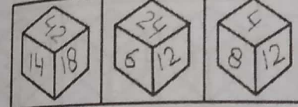
Which one of the following cubes which are given below can possibly belong to Group A?



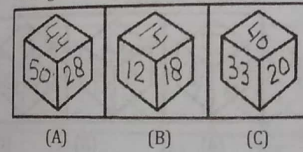
32. Question Figure:  
Group A



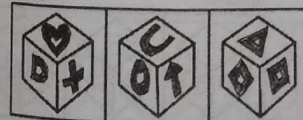
Group B



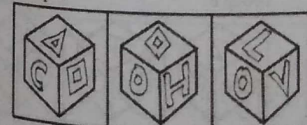
Which one of the following cubes which are given below can possibly belong to Group A?



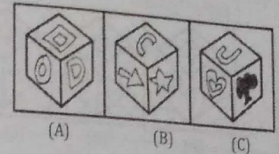
33. Question Figure:  
Group A



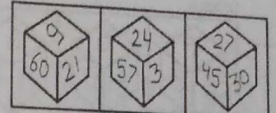
Group B



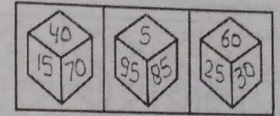
Which one of the following cubes which are given below can possibly belong to Group A?



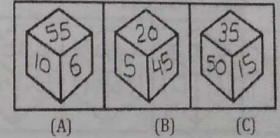
34. Question Figure:  
Group A



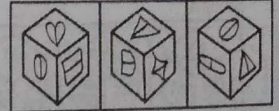
Group B



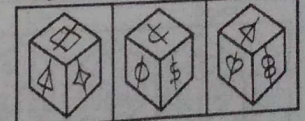
Which one of the following cubes which are given below can possibly belong to Group A?



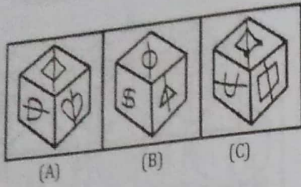
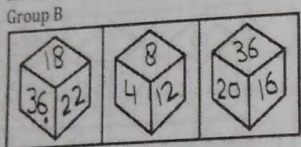
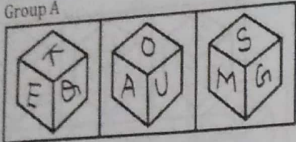
35. Question Figure:  
Group A



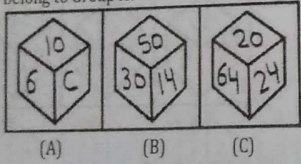
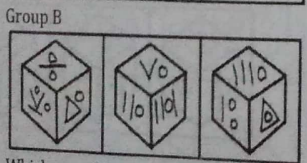
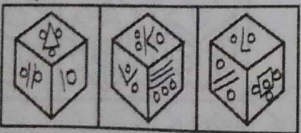
Group B



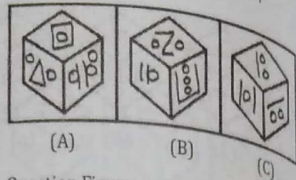
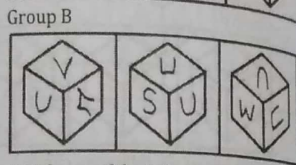
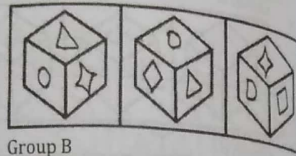
Which one of the following cubes which are given below can possibly belong to Group A?


36. Question Figure:  
Group A


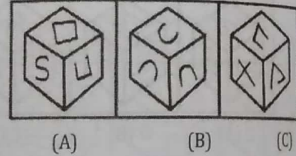
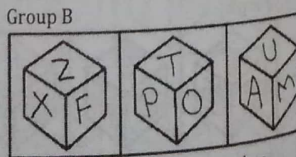
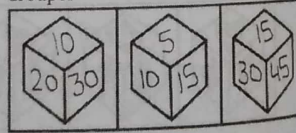
Which one of the following cubes which are given below can possibly belong to Group A?


37. Question Figure:  
Group A


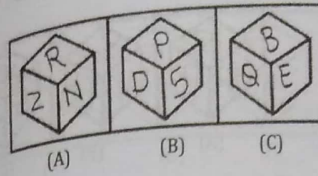
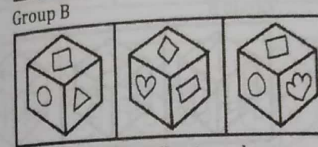
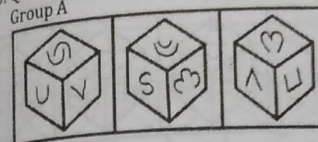
Which one of the following cubes which are given below can possibly belong to Group A?


38. Question Figure:  
Group A


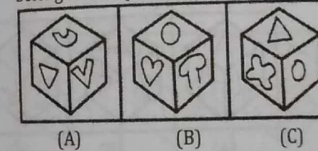
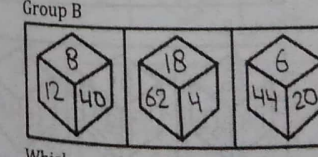
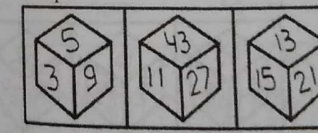
Which one of the following cubes which are given below can possibly belong to Group A?


39. Question Figure:  
Group A


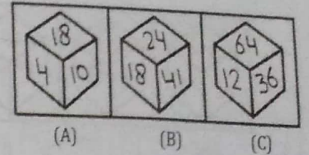
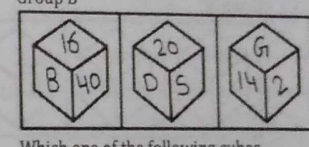
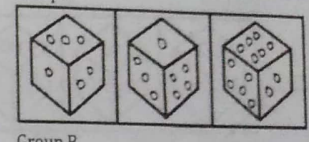
Which one of the following cubes which are given below can possibly belong to Group A?


40. Question Figure:  
Group A


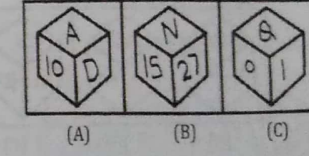
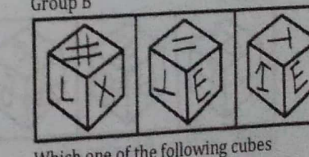
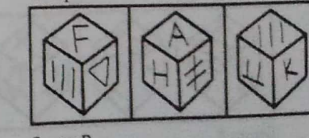
Which one of the following cubes which are given below can possibly belong to Group A?


41. Question Figure:  
Group A


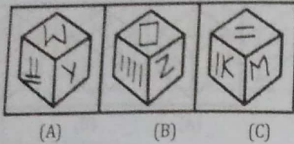
Which one of the following cubes which are given below can possibly belong to Group A?


42. Question Figure:  
Group A


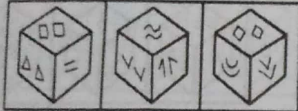
Which one of the following cubes which are given below can possibly belong to Group A?


43. Question Figure:  
Group A


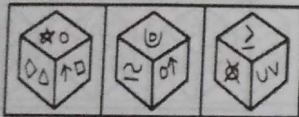
Which one of the following cubes which are given below can possibly belong to Group A?



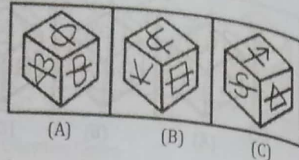
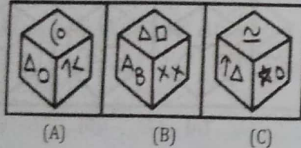
44. Question Figure:  
Group A



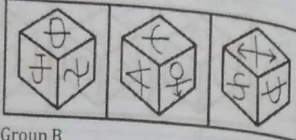
Group B



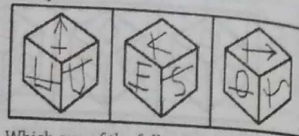
Which one of the following cubes  
which are given below can possibly  
belong to Group A?



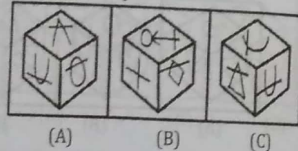
46. Question Figure:  
Group A



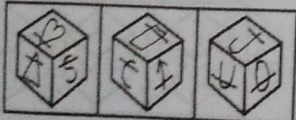
Group B



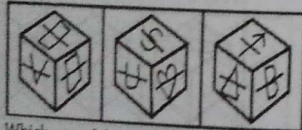
Which one of the following cubes  
which are given below can possibly  
belong to Group A?



45. Question Figure:  
Group A

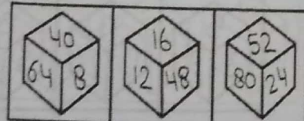


Group B

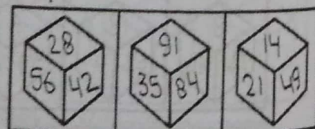


Which one of the following cubes  
which are given below can possibly  
belong to Group A?

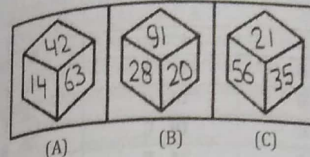
47. Question Figure:  
Group A



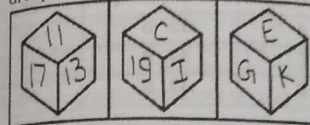
Group B



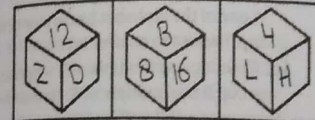
Which one of the following cubes  
which are given below can possibly  
belong to Group A?



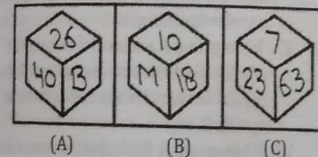
48. Question Figure:  
Group A



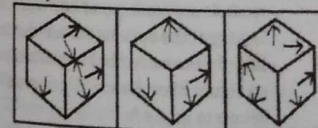
Group B



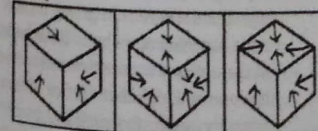
Which one of the following cubes  
which are given below can possibly  
belong to Group A?



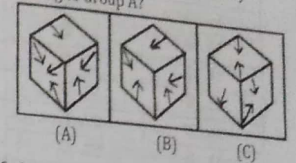
49. Question Figure:  
Group A



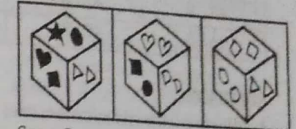
Group B



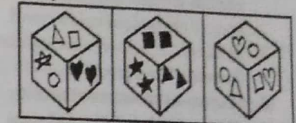
Which one of the following cubes  
which are given below can possibly  
belong to Group A?



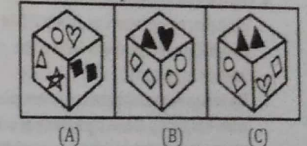
50. Question Figure:  
Group A



Group B



Which one of the following cubes  
which are given below can possibly  
belong to Group A?



## ANSWER KEY:

|       |       |       |       |       |
|-------|-------|-------|-------|-------|
| 1. B  | 2. A  | 3. C  | 4. C  | 5. B  |
| 6. A  | 7. C  | 8. B  | 9. A  | 10. C |
| 11. A | 12. B | 13. B | 14. C | 15. B |
| 16. B | 17. B | 18. C | 19. C | 20. B |
| 21. B | 22. B | 23. A | 24. B | 25. B |
| 26. B | 27. C | 28. C | 29. C | 30. C |
| 31. A | 32. C | 33. C | 34. A | 35. B |
| 36. A | 37. B | 38. A | 39. B | 40. B |
| 41. B | 42. B | 43. C | 44. B | 45. B |
| 46. B | 47. B | 48. B | 49. B | 50. B |

## SOLUTION:

1. B) Group A has odd number of lines whereas group B has even number of lines. Hence the answer is option B.
2. A) One of the sides of cube C matches the properties of group A.
3. C) Group A contains numbers and alphabet of even positions whereas group B has odd positions. Hence the answer is option C.
4. C) Each side of group A has same alphabet twice whereas group B has two different alphabets. Hence the answer is option C.
5. B) Group A has alphabets of even place whereas group B has alphabets of odd places. Hence the answer is option B.
6. A) Each side of group A has a symbol and alphabet whereas group B has a number and symbol. Hence the answer is option A.
7. C) Group A has alphabets in lower case whereas group B has alphabets in upper case. Hence the answer is option C.
8. B) In group A the pattern is facing inward whereas in group B the pattern is facing outward. Hence the answer is option B.
9. A) In group A the arrow is at the top of each alphabet whereas in group B the arrow is below the alphabet. In option A one of the alphabet has arrow at the top. Hence the answer is A.
10. C) Group has multiple of 2 whereas group B has multiple of 5. Hence the answer is option C.
11. A) In group A each symbol has another symbol inside it whereas in group B the figure is kind of repeated. Hence the answer is option A.
12. B) In group A each cube consist of small alphabets whereas group B has capital letters. Hence the answer is option B.
13. B) In group A the cubes have symbols which are made using four lines whereas in group B none of the symbols are made up of four lines. Now looking at the options we see that only cube B has one symbol which is made up of four lines. Hence 'B' can possibly belong to group A.
14. C) In group A each cube has odd alphabets whereas in group B each cube has even alphabets. Now looking at the options we see that only cube C has one odd alphabet. Hence 'C' can possibly belong to group A.
15. B) In group A the cubes have number and small alphabet whereas in group B the cubes have number and capital alphabet. Now looking at the options we see that cube B matches the

- properties of Group A. Hence 'B' can possibly belong to group A.
16. B) In group A the perpendicular line is facing inward whereas in group B the perpendicular line is facing outward. Now looking at the options we see that cube B has one symbol where the perpendicular line is facing inward. Hence 'B' can possibly belong to group A.
17. B) In group A the symbols are shaded in each cube whereas in group B the alphabets are shaded in each cube. Now looking at the options we see that cube B matches the properties of Group A. Hence 'B' can possibly belong to group A.
18. C) In group A the symbols are shaded whereas in group B the symbols are blank. In option C one of the side has shaded symbol. Hence the answer is C.
19. C) In group A the cubes consist of alphabet whereas in group B the cubes consist of symbol. In option C one of the side has alphabet. Hence the answer is C.
20. B) In group A right side of the cube is shaded whereas in group B left side of the cube is shaded. In option B one of the symbol has right side shaded. Hence the answer is B.
21. B) In group A the symbols are mirror image whereas group B consist of random symbols. Now looking at the options we see that cube B has one symbol which is a mirror image. Hence 'B' can possibly belong to group A.
22. B) In group A the arc are facing outward whereas in group B the arc are facing inward. Now looking at the options we see that cube B has one side where the arc is facing outward. Hence 'B' can possibly belong to group A.
23. A) In group A the cubes consist of alphabets whereas group B consist of numbers. Now looking at the options we see that cube A consist of one

- alphabet. Hence 'A' can possibly belong to group A.
24. B) Group A consist of even dots, alphabet and number whereas Group B consist of odd dots, alphabet and number. Hence answer is option B.
25. B) In Group A each symbol has a dot whereas in Group B none of the symbol has dot. Hence answer is option B.
26. B) Group A consist of number and alphabet whereas group B consist of number and symbol. Hence answer is option B.
27. C) Group A consist of dots whereas group B consist of number and alphabet. Hence answer is option C as one side of the cube has a dot.
28. C) Group A has numbers whereas Group B has alphabets. Hence answer is option C.
29. C) Group A has symbols whereas group B has alphabets. Hence answer is option C.
30. C) Group A has odd number and odd lines whereas Group B has even number and even lines. Hence answer is option C.
31. A) In Group A the arrow is pointing upwards whereas in Group B the arrow is pointing downwards. Hence the answer is option A.
32. C) Group A consists of odd number whereas group B consists of even number. Hence the answer is option C as one of the side has odd number.
33. C) Symbols in group A are shaded whereas in group B symbols has horizontal lines. Hence the answer is option C.
34. A) Group A has multiple of 3 whereas group B has multiple of 5. Hence the answer is option A.
35. B) In group A the bisector line is within the symbol whereas in group B the line extends out of the symbol. Hence the answer is option B.