Embedded Figures, Figure Formation, Construction of Squares and Grouping of Identical Figures

QUESTIONS

Direction (1-5): In the following questions. Fig. (X) is exactly embedded in any one of the options and find the option which contains Fig. (X) as one of its part.

1.

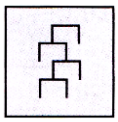
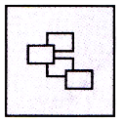
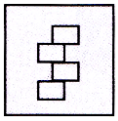
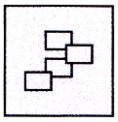
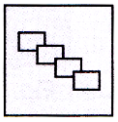
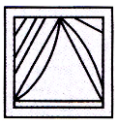


Fig. (X)

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

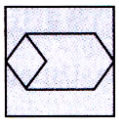
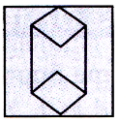
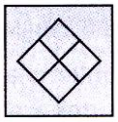
2.

Fig. (X)

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

3.

Fig. (X)

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

4.

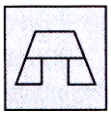
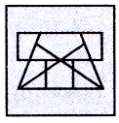
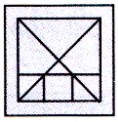
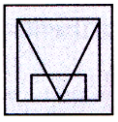
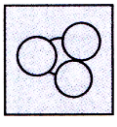
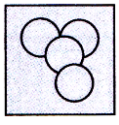
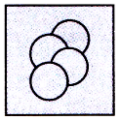
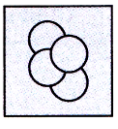


Fig. (X)

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

5.

Fig. (X)

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

Direction (6-9): In each of the following questions, a fig. (X) is provided which embeds only one figure out of the options without any orientation. Select the correct option.

6.

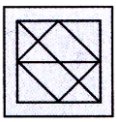
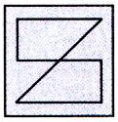
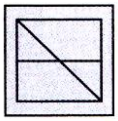
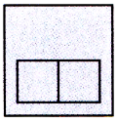
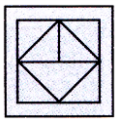
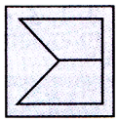
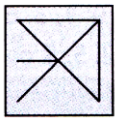


Fig. (X)

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

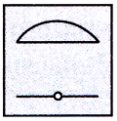
7.

Fig. (X)

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

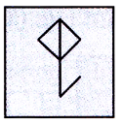
8.

Fig. (X)

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

9.

Fig. (X)

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

Direction (10-12): In each of the following questions, find out which of the options can be formed from the pieces given in Fig. (X).

10.

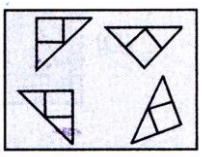
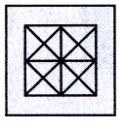
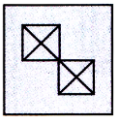
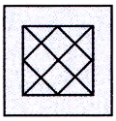
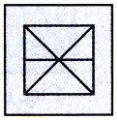


Fig. (X)

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

11.

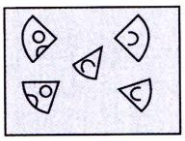


Fig. (X)

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

12.

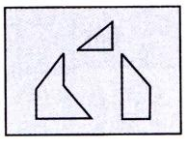
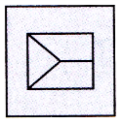
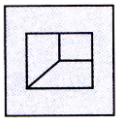
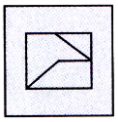
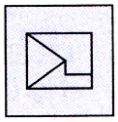


Fig. (X)

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

Direction (13-15): In each of the following questions, select the option in which all the components of the Fig.(X) are found?

13.

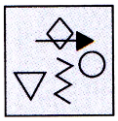
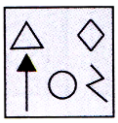
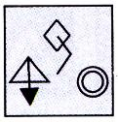


Fig. (X)

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

14.

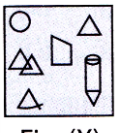
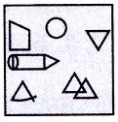
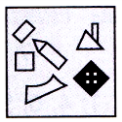


Fig. (X)

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

15.

Fig. (X)

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

Direction (16-20): Select a figure from the options which fits exactly into Fig. (X) to form a complete square.

16.

Fig. (X)

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

17.

Fig. (X)

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

18.

Fig. (X)

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

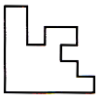
19.

Fig. (X)

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

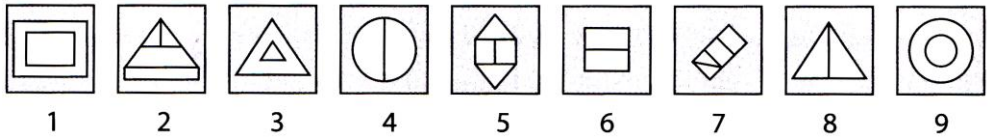
20.

Fig. (X)

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

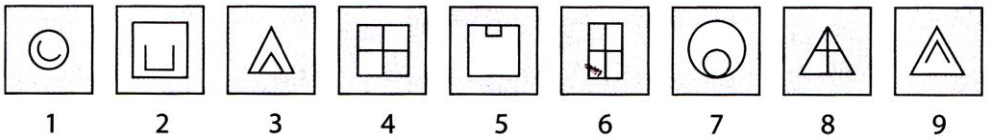
Direction (21-27): In each of the following questions, group the given figures into three classes on the basis of their common properties using each figure only once.

21.



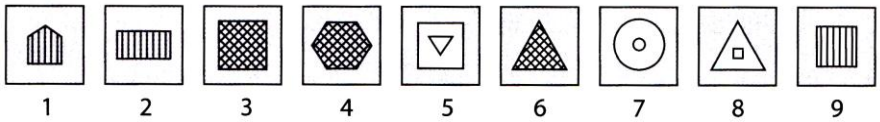
(a) 1, 3, 8; 2, 4, 6; 5, 7, 9
(b) 1, 2, 3; 4, 5, 6; 7, 8, 9
(c) 3, 4, 7; 2, 5, 9; 1, 6, 8
(d) 1, 3, 9; 4, 6, 8; 1, 5/ 7

22.



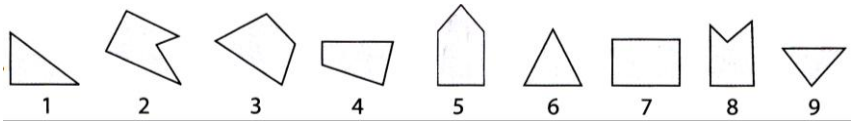
(a) 1, 3, 9; 1, 4, 6; 5, 7, 8
(b) 3, 2. 1; 4, 6, 5; 9, 7, 8
(c) 3, 5, 7; 1, 2, 9; 4, 6, 8
(d) 1, 4, 5; 9, 1, 3; 7, 8, 6

23.



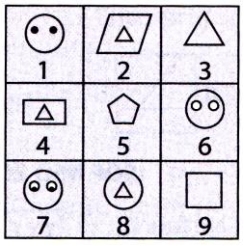
(a) 1, 3, 5; 2, 4, 6; 7, 8. 9
(b) 1, 2, 9; 3, 4, 6; 5, 7, 8
(c) 1, 6, 8; 2, S, 7; 3, 4, 9
(d) 1, 3, 4; 2, 5. 8; 6, 7, 9

24.



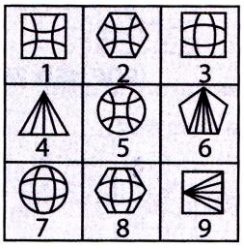
(a) 7. 8, 9; 2, 3, 4; 1, 5, 6
(b) 4, 5, 6; 7, 8, 9; 1, 2, 3
(c) 3, 4, 7; 1, 6, 9; 2, 5, 8
(d) 1, 6, 8; 3, 4, 7; 2, 5, 9

25.



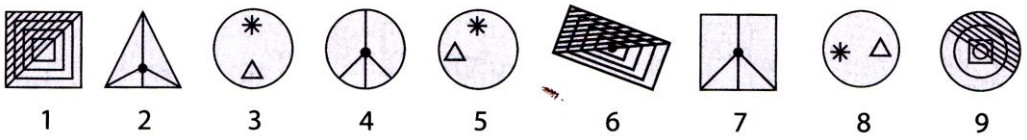
(a) 1,6, 7; 2, 4, 8; 3, 5, 9
(b) 1, 5, 7; 2, 4, 6; 3, 8, 9
(c) 1, 4, 7; 2, 5, 8; 3, 6, 9
(d) 1, 7, 9; 3, 5, 8; 2, 4, 6

26.



(a) 1, 8, 9; 2, 3, 4; 1, 5, 6
(b) 1, 1, 3; 4, 5, 7; 6, 8, 9
(c) 1, 6, 8; 3, 4, 7; 2, 5, 9
(d) 3, 7, 8; 1, 2, 5; 4, 6, 9

27.



(a) 2.4, 7; 1,6, 9; 3, 5, 8 (b) 1,3, 5; 2,6, 7; 4, 8, 9

(c) 1,5, 7; 2, 3, 6; 4, 8,9 (d) 1, 3, 5; 2,4, 7;6,8,9

28. In which of the following options. Fig. (X) is exactly embedded as one of its part?

(SOF NCO 2016)

Fig. (X)

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

29. Group the given figures into three classes on the basis of their identical properties using each figure only once.

(SOF NCO 2016)

(a) 1,5,9; 2,4,7; 3,6,8 (b) 3,5,9; 1,6,8; 2,4,7

(c) 1 4,5; 2,6,8; 3,7,9 (d) 3,5,9; 1,4,8; 2,6,7

30. In which of the following options. Fig. (X) is exactly embedded as one of its part? **(SOF NSO 2016)**

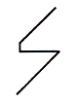
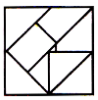
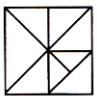
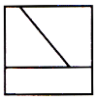


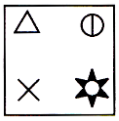
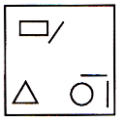
Fig. (X)

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

31. Select the option in which only specified components of the Fig. (X) are found.

(SOF NSO 2016)

Fig. (X)

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

32. In which of the following figures. Fig. (X) is exactly embedded as one of its part? **(SOF IMO 2016)**

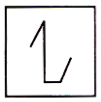
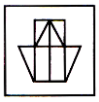
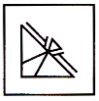


Fig. (X)

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

33. Select the option which has the same components as that in the given Fig. (X).

(SOF IMO 2016)

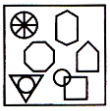
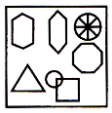
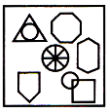
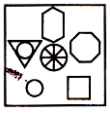
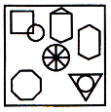


Fig. (X)

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

34. Select a figure from the options which will complete the pattern in Fig. (X).

(SOF IMO 2016)

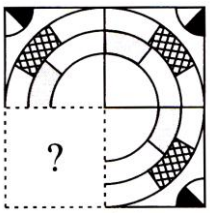


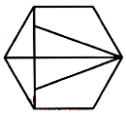
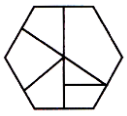
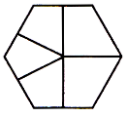
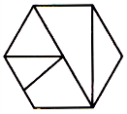
Fig. (X)

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

35. Select a figure from the options in which Fig. (X) is exactly embedded as one of its parts.

(SOF NCO 2017)

Fig. (X)

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

36. Select a figure from the options which will complete the pattern given in Fig. (X).

(SOF NCO 2017)

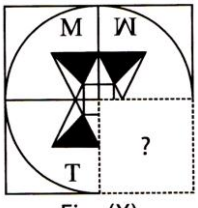


Fig. (X)

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

37. In which of the following figures, Fig. (X) is exactly embedded as one of its part?

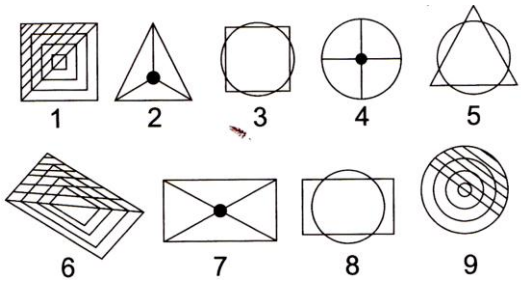
(SOF NSO 2017)

Fig. (X)

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

38. Group the given figures into three classes on the basis of their identical properties using each figure only once.

(SOF NSO 2017)



(a) 1, 6, 9; 3, 4, 7; 2, 5, 8 (b) 3, 1, 6; 4, 5, 7; 2, 8, 9

(c) 1, 6, 9; 3, 5, 8; 2, 4, 7 (d) 1, 4, 9; 3, 5, 7; 2, 6, 8

39. Select a figure from the options which will complete the pattern given in Fig. (X).

(SOF IMO 2017)

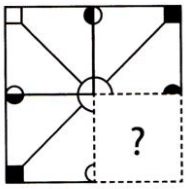
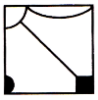
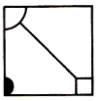
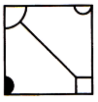


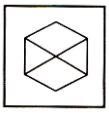
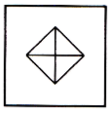
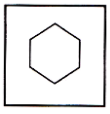
Fig. (X)

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

40. Select a figure from the options in which Fig.(X) is exactly embedded as one of its parts.

(SOF IMO 2017)

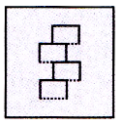
Fig. (X)

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

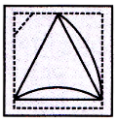
ANSWER - KEY				
1. B	**2.** D	**3.** B	**4.** A	**5.** C
6. B	**7.** D	**8.** C	**9.** C	**10.** C
11. A	**12.** C	**13.** D	**14.** C	**15.** D
16. B	**17.** C	**18.** A	**19.** B	**20.** A
21. D	**22.** C	**23.** B	**24.** C	**25.** A
26. D	**27.** A	**28.** D	**29.** B	**30.** B
31. B	**32.** C	**33.** B	**34.** C	**35.** B
36. B	**37.** B	**38.** C	**39.** D	**40.** B

EXPLANATIONS

1. (b):

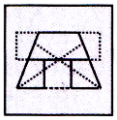


2. (d)

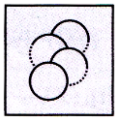


3. (b) :

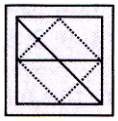
4. (a):



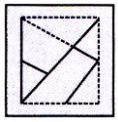
5. (c) :



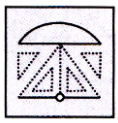
6. (b)



7. (d):

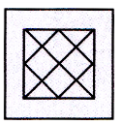


8. (c):



9. (c) :

10. (c):



11. (a)

12. (c) Not Available

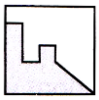
13. (d) Not Available

14. (c) Not Available

15. (d) Not Available

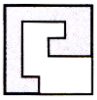
16. (b):

17. (c) :

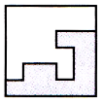


18. (a):

19. (b):



20. (a):



21. (d) Not Available

22. (c) Not Available

23. (b) Not Available

24. (c) Not Available

25. (a) Not Available

26. (d) Not Available

27. (a) Not Available

28. (d) Not Available

29. (b) Not Available

30. (b) Not Available

31. (b) Not Available

32. (c) Not Available

33. (b) Not Available

34. (c) Not Available

35. (b) Not Available

36. (b) Not Available

37. (b) Not Available

38. (c) Not Available

39. (d) Not Available

40. (b) Not Available