

# *Bloom Reasoning Olympiad Sample Paper 1*

Maximum Time : 60 Minutes

Maximum Marks : 35

## INSTRUCTIONS

1. There will be 35 Multiple Choice Questions in this paper, carrying 1 mark each.
2. Each question has Four Options out of which **ONLY ONE** is correct.
3. All questions are compulsory.
4. There is no negative marking.
5. No electronic devices capable of storing and displaying visual information such as calculator and mobile are allowed during the course of the exam.

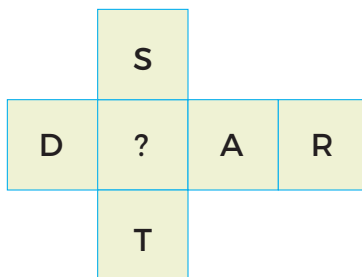
School Name

Student's Name

1. From the given alternatives find which one is different.

- (a) Branch
- (b) Leaf
- (c) Dirt
- (d) Root

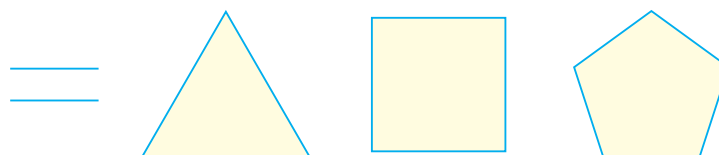
2. Which letter from the given alternatives will replace the question mark (?) and form two meaningful words?



- (a) A
- (b) E
- (c) I
- (d) O

3. What comes next in this pattern?

**Question Figures**



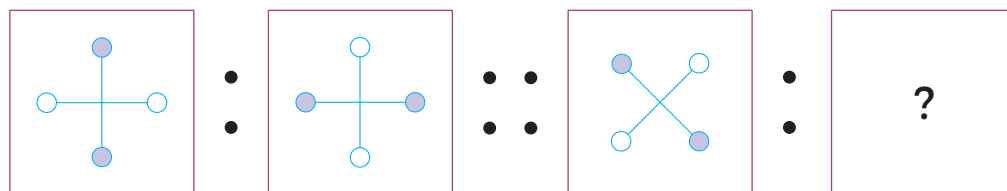
**Answer Figures**

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

4. If COVER is coded as 'OCVRE', then how will SMART be coded in the same language?

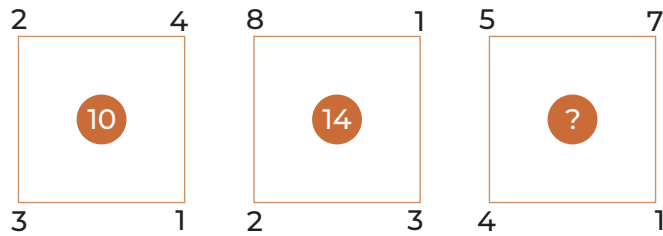
- (a) MSART
- (b) MSART
- (c) MSATR
- (d) MSTAR

5. Which pattern from the given alternatives will complete the given set of patterns in the same way as the patterns in the first pair?



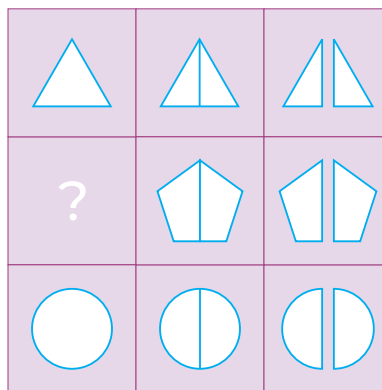
- (a)
- (b)
- (c)
- (d)

6. A man is standing in the queue of 45 persons on bus stop ranks 15th from the left end. What will be his rank from the right end?  
 (a) 30th (b) 31st (c) 32nd (d) 29th
7. Shop A is towards the South of Shop B, Shop X is towards North of Shop B. In which direction, shop A is from Shop X?  
 (a) East (b) South (c) West (d) North
8. Find the number which will come in place of question mark (?).



- (a) 20 (b) 19 (c) 18 (d) 17

9. Complete the missing pattern of the block.



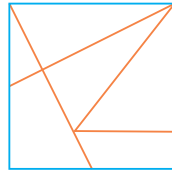
- (a)  (b)  (c)  (d) 

10. The code of a product is depicted on it. Find its mirror image from the given options.

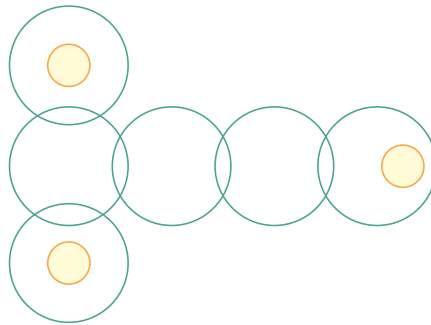


- (a)  (b)  (c)  (d) 

11. A pattern is made on a fibre sheet as shown below. Find a figure from the options which is exactly hidden in the given pattern.



12. Count the number of circles in the given figure.



(a) 7

(b) 10

(c) 9

(d) 11

13. Study the table to answer the question that follows.

Letters	J	K	L	M	N	O	P	Q	F	E	A	X
Codes	+	#	φ	@	⊙	⊗	Δ	□	▭	*	=	⏞

Find the code for 'LEAK'.

(a) φ\*#=

(b) φ ⊗ = #

(c) φ \* = #

(d) φ = # Δ

14. Which group of letters from the given alternatives will replace the question mark following the pattern that first pair follows?

JKL : PQR :: DEF : ?

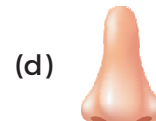
(a) LMN

(b) IJK

(c) KCM

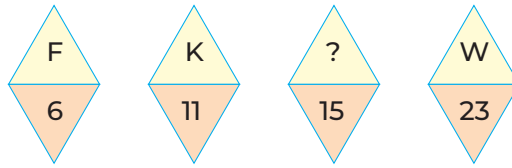
(d) JKL

15. Four boys have drawn different items that are shown below. Find the odd amongst them.





22. Replace the question mark with suitable letter.



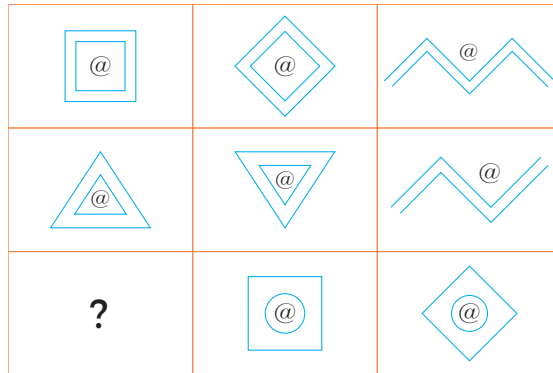
(a) L

(b) O

(c) P

(d) N

23. Complete the pattern in the given matrix.



24. How will the car number JUK 1378P appear in the mirror of the car in front?

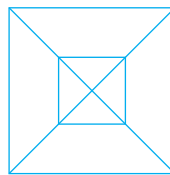
(a) 98731KJ

(b) 98731KJ

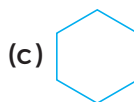
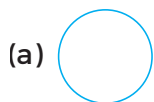
(c) 98731KJ

(d) 98731KJ

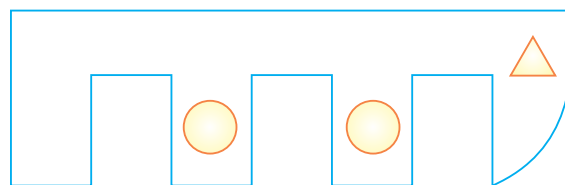
25. Some shapes were drawn on a piece of paper, then find which of the following shape is hidden in the figure (X) given below ?



(X)



26. Count the number of straight lines in the given figure.



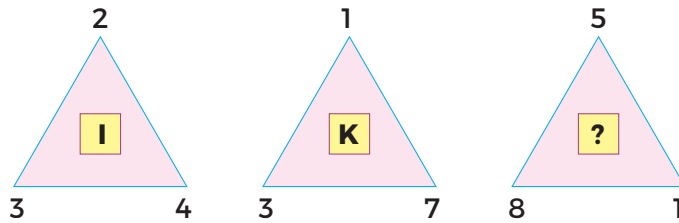
(a) 19

(b) 16

(c) 18

(d) 17

27. The given figures consist of numbers and letters. Find the missing letter in it.



- (a) N                                      (b) M                                      (c) P                                      (d) O

28. Deepak comes out from his class, and goes towards West direction, then turns left. After walking some distance he turns towards his left. In which direction is he facing now?

- (a) East                                      (b) South                                      (c) West                                      (d) North

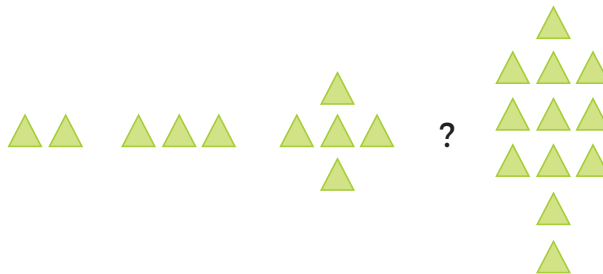
29. Arrange the following words according to English dictionary.

- |          |          |          |          |
|----------|----------|----------|----------|
| 1. Fruit | 2. Game  | 3. Apple | 4. OX    |
| (a) 3412 | (b) 3142 | (c) 3421 | (d) 3124 |

30. If 'Soap' is called 'Carrom', 'Carrom' is called 'table' and 'table' is called 'chair', then which of the following is used for washing clothes?

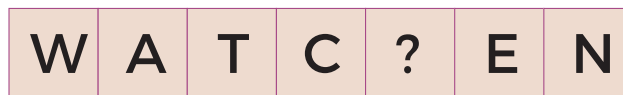
- (a) Soap                                      (b) Carrom                                      (c) Table                                      (d) Chair

31. What will replace the question mark(?) in the given sequence.



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

32. Find the letter which will end the first word and start the second word.



- (a) D                                      (b) H                                      (c) C                                      (d) O

33. Four men have different room numbers. Find the room number which is odd amongst all.

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

34. Complete the second pair in the same way as first pair.



(a) 63

(b) 60

(c) 36

(d) 66

35. Replace the question mark with suitable number.



(a) 14

(b) 18

(c) 16

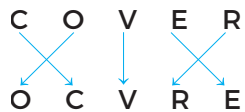
(d) 10



# Solutions

1. (c) Except option (c), a leaf, branch and root all are parts of a tree. Dirt is not the part of tree.
2. (b) Letter 'E' will replace the question mark (?) and form two meaningful words which are 'DEAR' and 'SET'.
3. (b) One straight line is increasing in each next figure.  
 2 straight lines (First figure)    3 straight lines (Second figure)    4 straight lines (Third figure)    5 straight lines (Fourth figure)    6 straight lines (Fifth figure)

4. (c) As,

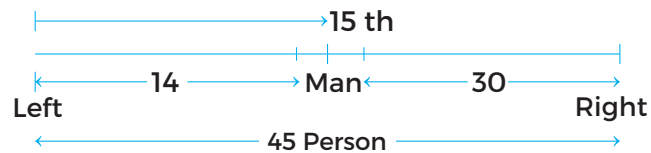


Similarly,



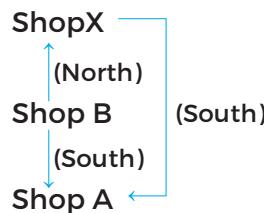
Hence, 'SMART' will be coded as 'MSATR'.

5. (a) Each figure is rotating  $90^\circ$  clockwise.
6. (b) Man's position can be shown as,



Man's position from left end is 15th and there are total 45 persons in the queue. So persons left after him will be  $(45 - 15) = 30$  and one he is himself. So, his rank from the right end will be 31st  $(30+1)$ .

7. (b) The directions are as shown below



Hence, Shop A is in South from Shop X.

8. (d) The pattern is as follows,

As,  $2 + 4 + 3 + 1 = 10$   
 and  $8 + 1 + 2 + 3 = 14$   
 Similarly,  $5 + 7 + 4 + 1 = 17$

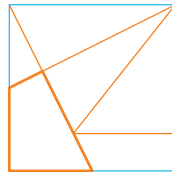
Hence, 17 will replace the question mark (?).

9. (b) In each row a pattern is followed. A line is drawn in the middle of first shape of the row to get the second shape. Then, the second shape is separated along the line to get the third shape. So, option figure (b) will replace the question mark.

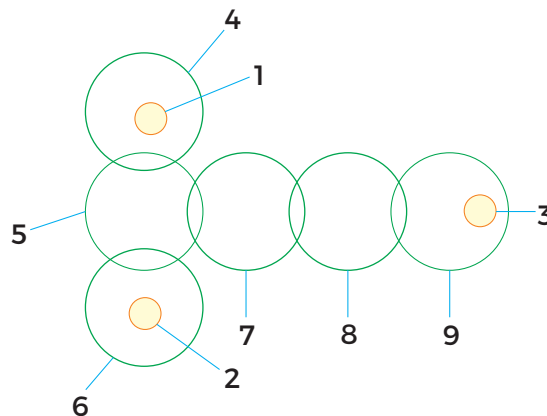
10. (b) The mirror image of the code is shown below :



11. (b) Figure in option (b) is exactly hidden in the given pattern as shown below :

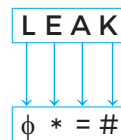


12. (c) The given circles can be labelled as shown below.



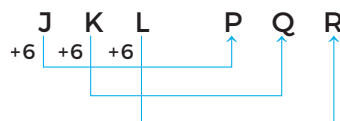
∴ Total number of circles is 9 when they are counted.

13. (c) From the given table, the code for 'LEAK' is as given below :

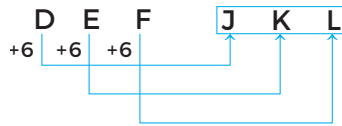


14. (d) The pattern is as follows :

As, in first pair,



Similarly, in second pair,



Hence, JKL will complete the second pair.

15. (c) Except 'Teeth', all others are sense organs.

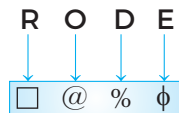
16. (b) The pattern is as shown below :



17. (a) As, N O T E S O R T and C O R D

# @ Δ φ + @ □ Δ ≠ @ □ %

Similarly,



So, code for RODE is □@%φ.

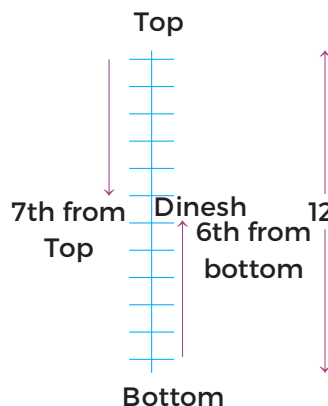
18. (d) The word 'NOTE' can be formed using the letters of the given word since all the letters of the word 'NOTE' are present in the given word.

19. (d) The logical arrangement of words in meaningful order is as follows :

Get up early → Take bath → Worship → Go to work  
 (3) (1) (2) (4)

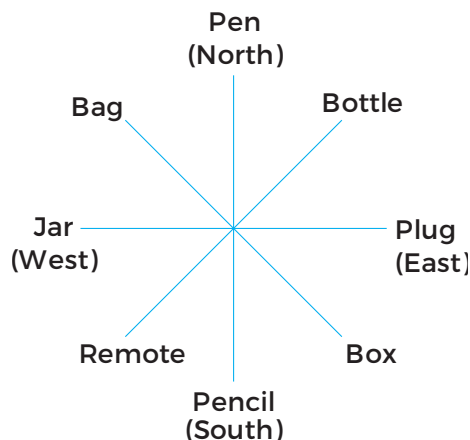
So, the sequence is '3124'.

20. (a) The floor on which Dinesh lives is as follows :



When we count from bottom to top, Dinesh lives on 6th floor from the bottom.

21. (c) The directions are as follows :



Plug is in East of Jar.

22. (b) As, positional value of F is 6. Positional value of K is 11 and positional value of W is 23. Similarly, positional value of O is 15.

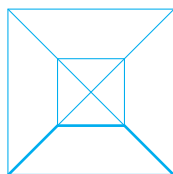
23. (c) All the boxes in first row contains 8 lines and 1 @ and in second row; 6 lines and 1 @ and in third row 4 lines and 1 @. Hence, option figure (c) will replace the question mark.

24. (b) The car number with its mirror image is shown below.

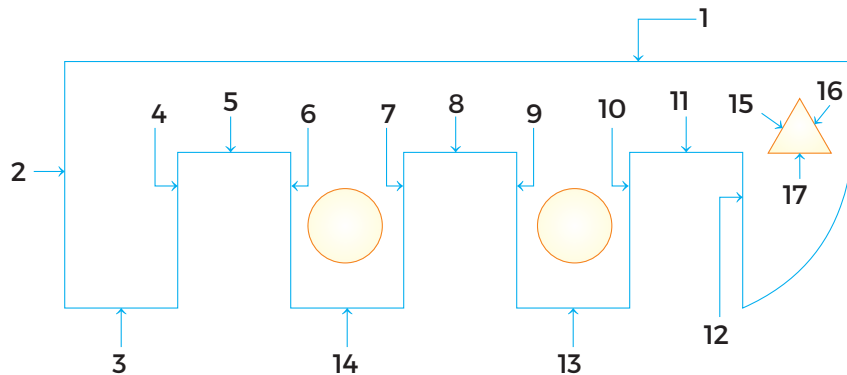


Thus, the car number in the mirror of the car in front will appear as shown in option (b).

25. (b) Option figure (b) is hidden in figure (X) as shown below :



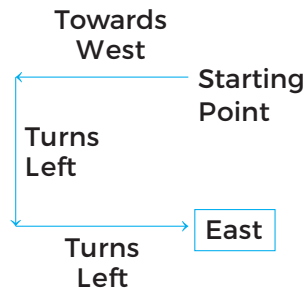
26. (d) The given straight lines can be labelled as shown below



Total number of straight lines is 17 when they are counted.

27. (a) As,  $2 + 3 + 4 = 9$  (9 is the positional value of I)  
 and  $1 + 3 + 7 = 11$  (11 is the positional value of K)  
 Similarly,  $5 + 8 + 1 = 14$  (14 is the positional value of N)

28. (a) The direction diagram can be drawn as :



Deepak is facing towards East.

29. (d) The given words can be arranged in the dictionary considering their first letter starting from A, B, C, D, E, ..... Z.

Now, the given words can be arranged with the first word 'Apple', (starting letter 'A'), then 'Fruit', (starting letter 'F',) then Game and then 'OX'.

So, the correct sequence is '3124'.

30. (b) We wash clothes with soap but here soap is called carrom.

So, carrom is use for washing clothes.

31. (c) The pattern is as follows :



Hence, option (c) will replace the question mark (?).

32. (b) Letter H will end the first word 'WATCH' and start the second word 'HEN'.

33. (c) Only room number 7 is having prime number.

34. (c) As,  $64 = 8 \times 8$

Similarly,  $36 = 6 \times 6$

35. (c) The pattern is as follows :



Hence, 16 will replace the question mark.