

# ANSWER WITH EXPLANATION

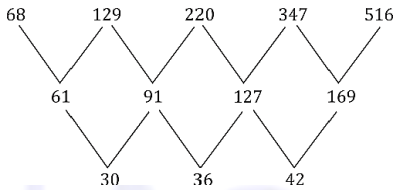
[SET - 21]

1. (c)

2. (d)  
Dance is taught by choreographer so as  
Food is made by chef

3. (c)

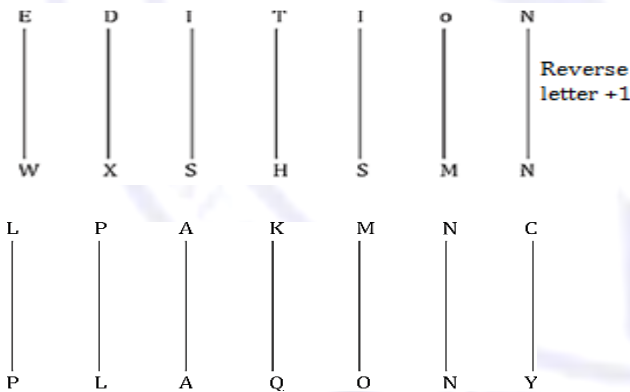
4. (d)



5. (a)

$$\left\{ \begin{array}{cc} 14 & 43 \\ \hline x3+1 & x3+1 \end{array} \right\} \left\{ \begin{array}{cc} 7 & 22 \\ \hline x3+1 & x3+1 \end{array} \right\} \left\{ \begin{array}{cc} 130 & 67 \\ \hline x3+1 & x3+1 \end{array} \right\}$$

6. (b)



7. (a)  
DOCTOR  
6 5 7 1 5 2

8. (c)  
D => W (Reverse letter), H => S (Reverse letter)  
All have same logic except (c)

9. (a)



1st letter +1  
2nd letter - 1  
3rd letter -1

10. (a)  
A numismatist collect coins , Similarly a philatelist collects stamps

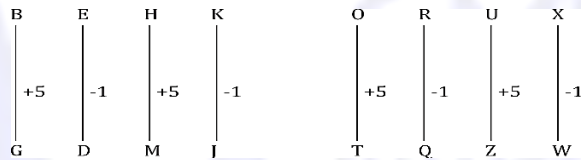
11. (d)  
 $9 \times 7 = 63$   
All have same logic except (d)

12. (a)  
 $6 - 20 + 12 \times 7 \div 1 = 70$   
 $\Rightarrow 70 = 70$

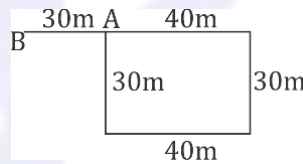
13. (c)  
2 5 1 4 3

14. (a)  
 $9 : (85) : (9)^2 + 4$        $7 : 53 : (7)^2 + 4$

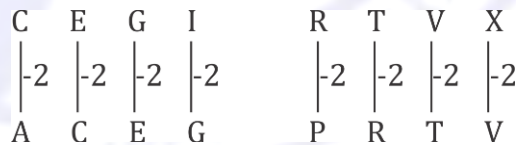
15. (c)



16. (b)



17. (b)



18. (a)  
 $27 \xrightarrow{\div 3} 9$        $125 \xrightarrow{\div 5} 25$        $343 \xrightarrow{\div 7} 49$       , 729

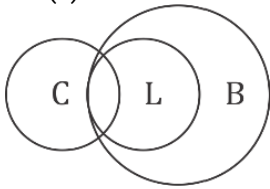
19. (a)  
 $520 : 350$        $68 : 30$   
 $(8)^3 + 8 : (7)^3 + 7$        $(4)^3 + 4 : (3)^3 + 3$

20. (c)  
 $24 \times 16 + 72 \div 6 - 12$   
 $= 384 + 12 - 12 = 384$

21. (b)  
Second is the defining characteristic of the first

22. (d)  
All except (d) are planets

23. (a)



S24. Ans.(a)

$$\begin{array}{ccccccc} 4 & 9 & 19 & 39 & 79 & 159 \\ \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} \\ \times 2 + 1 & \times 2 + 1 & \times 2 + 1 & \times 2 + 1 & \times 2 + 1 & \times 2 + 1 \end{array}$$

25. (a)

First eliminates the second.

26. (a.)

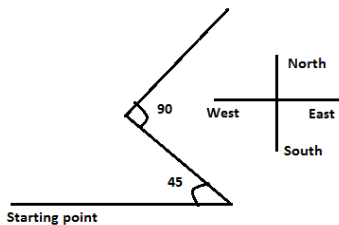
$$4Y = 3X \text{ (given) and } 3X = 6Z;$$

By plugging in the given conditions, we will get following results-

Option (a):  $2Y = 3Z$ ;  $\Rightarrow 4Y = 6Z = 6X$ ; Which holds true.

27. (d.)

From the given figure, we can easily deduce that he is finally in North-East direction.



28. (c)

After decoding the words, we get- ELEPHANT, CRICKET, COFFEE, and RAT. Hence, option (c.) is the correct answer.

29. (b)

The ascending order of the given words in the dictionary will be-  
Hake > Hale > Halt > Ham > Hamlot.

30. Ans. (c.)

$$\begin{aligned} &\text{Replacing the given operations, we get-} \\ &= 16 \div 64 - 8 \times 4 + 2 \\ &= 16 + 64 / 8 - 4 \times 2 \\ &= 16 + 8 - 8 \\ &= 16. \end{aligned}$$

31. (a)

the given word does not have 2 'D's. Hence, option (a) will be the right answer.

(32 – 36) :

Person	City	Specialisation
P	Hyderabad	Literature
Q	Kolkata	Computers
R	Mumbai	Marketing
S	Chennai	Textile/ Economics
T	Delhi	Textile / Economics
V	Trivandrum	Physics
X	Bangalore	Information Technology

32. (c) 33. (d) 34. (a) 35. (c) 36. (b)

37. (d)

According to question.

$$589 = 559 = 955$$

$$362 = 332 = 233$$

$$554 = 524 = 425$$

$$371 = 341 = 143$$

$$442 = 412 = 214$$

Arrange in descending order

$$955 > 425 > 233 > 214 > 143$$

Middle Number  $\Rightarrow 233$

Last digit  $\Rightarrow 3$

38. (b)

There are 11 letters each in the given word and its code. It means that there is one code letter for each letter of the given word. After careful observation of the given word and its code it is clear that the code has been generated by rearranging the letters of the given word. The middle letter of the given word remains at its position while other letters of both sides of it are rearranged in a certain way.

1 2 3 4 5    1 2 3 4 5  
G E R M I N A T I O N

The letter in each half have been rearranged in the order:  
54132

Now,  
G E R M I N A T I O N  
I M G R E N N O A I T

Similarly,  
1 2 3 4 5    1 2 3 4 5  
E S T A B L I S H E D  
B A E T S L D E I H S

Therefore, required answer is option (b).

39. (d)

There is one letter more in the code as compared to the letters of the given  
The pattern is

P → P  
+2  
R

O → Q  
+2

U → X  
+3

L → N  
+2

T → V  
+2

R → T  
+2

Y → Y

T → T  
+2  
V

R → T  
+2

E → H  
+3

A → C  
+2

S → U  
+2

O → Q  
+2

N → N

Similarly,

Therefore, required answer is option (d).

40. (c)

According to question the new sequence would be

ACEGIKMOQSUWYZXVTRPNLJHFDB

11<sup>th</sup> from left

6<sup>th</sup> to the left of 17<sup>th</sup> from left means  $(17-6) = 11^{\text{th}}$  letter from left i.e. 21<sup>st</sup> letter from left in the original.

[If any query about these questions please contact 8167092555 from 10 am to 6 pm]

GEORGE SCHOOL OF COMPETITIVE EXAMS

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