Special Test By Alok Sir

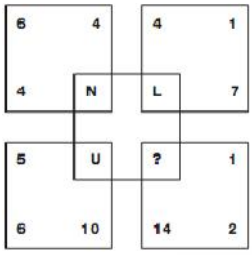
Directions : In each of the following questions, various terms of an alphabet series are given with one or more terms missing as shown by (?). Choose the missing terms out of the given alternatives.

1. WFB, TGD, QHG, ?
(a) NIJ (b) NIK (c) NJK (d) OIK (e) PJK
2. AZ, GT, MN, ?, YB
(a) JH (b) SH (c) SK (d) TS
3. H, I, K, N, ?
(a) O (b) Q (c) R (d) S
4. Z, S, W, O, T, K, Q, G, ?, ?
(a) N,C (b) N,D (c) O,C (d) O,D
5. b e d f ? h j ? l
(a) im (b) mi (c) in (d) jm
6. A, G, L, P, S, ?
(a) U (b) W (c) X (d) Y
7. ajs, gpy, ?, sbk, yhq
(a) dmv (b) mve (c) oua (d) qzi
8. AB, DEF, HIJK, ?, STUVWX
(a) LMNO (b) LMNOP (c) MNOPQ (d) QRSTU
9. Y,B,T,G,O,?
(a) N (b) M (c) L (d) K
10. C,Z,F,X,I,V,L,T,O,?, ?
(a) O,P (b)P,Q (c) R,R (d) S,R

Find the number that fits somewhere into the middle of the series. Some of the items involve both numbers and letters

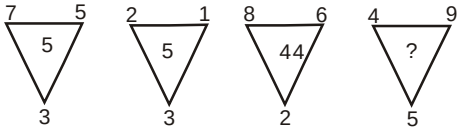
11. Look at this series: U32, V29, __, X23, Y20, ... What number should fill the blank?
(a) W26 (b)W17 (c) Z17 (d) Z26
12. There are a total of five squares in the given figure. Each of the corner squares comprise of three numbers and a letter in union with the fifth center square. In the center square, one letter is missing. Can you find the missing letter ?

Which letters replaces the question mark



(a) 17 (b) 20 (c) 18 (d) 19
(e) None of these

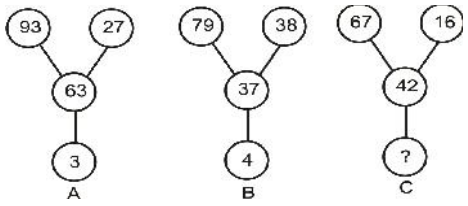
13. Which number replaces the question mark and completes the puzzle ?
2 + 2 = 4
3 + 3 = 18
4 + 4 = 48
6 + 6= ?
(a) 180 (b) 190 (c) 120 (d) None of these
14. Find that out to uncover the missing number ?



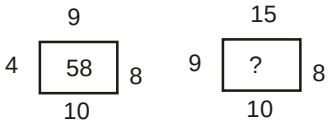
(a) 29 (b) 30 (c) 31 (d) 32
(e) None of these
15. If 2+3=8 5+8=60
4+5=32
3+7 =27 6+7 =72
7+8=?
(a) 98 (b) 99 (c) 100 (d) None of these
16. Complete the series: 16, 06 , 68 , 88 , ? , 98
(a) L8 (b) L9 (c) L10 (d) L11
(e) none of these
17. If GOLD is written as IQNF, how WIND can be written in the code?
(a) YKPF (b) VHMC (c) XJOE (D) DNIW
18. If A=1, PAT = 37 , then TAP= ?
(a) 73 (b) 37 (c) 36 (d) 38
19. If D= 4, BAD= 7, then what is the value of ANT=?
(a) 8 (b) 17 (c) 35 (d) 37
20. If HKUJ means FISH, what does UVCD mean?
(a) STAR (b) STAB (c) STAL (d) STAK
21. BOQD: ERTG : : ANPC : ?
(a) DQSF (B) FSHU (C) SHFU (D) DSQF
22. A word given in capital letters is followed by four answer words. Out of these only one can be formed by using the letters of the given words. Find out that word.
ENVIRONMENT
दिये गए विकल्पों में से वह शब्द चुनिए जो दिये गये अक्षरों का प्रयोग करके बनाया जा सकता है
ENVIRONMENT
(a) ENINENT (b) ENTRANC
(c) ENTERTAIN (d) MOVEMENT
23. From the given alternative words, select the word which cannot be formed using the letters of given word.
PERSIDENTIAL
(a) SLEEP (b) DENTAL (c) ARDENT (d) DIGITAL
24. BJNT : CIOS : : DHPV : ?
(a) EGQU (b) EIQW (c) ELPV (d) EIOU
25. In a certain language, BUTTER is coded as CVUUFS, BREAD is coded as CSFBE, then how COFFEE is coded?
(a) DPGGFF (b) GGDPFF (c) GDPGFF (d) FFDPGG
26. If CLOUD can be coded as 59432 and RAIN as 1678, how can AROUND be coded?
(a) 614832 (b) 614382 (c) 641382 (d) 461382
27. In question, a word given in capital letters is followed by four answer words. Out of these only one cannot be formed by using the letters of the given words. Find out that word.
CONSTRUCTION
दिये गए विकल्पों में से वह शब्द चुनिए जो दिये गए शब्द के अक्षरों का प्रयोग करके नहीं बनाया जा सकता
CONSTRUCTION
(a) NOTION (b) CAUTION
(c) COINS (d) SUCTION
28. If Z= 26, NET= 39 , then NUT =?
(a) 50 (b) 53 (c) 55 (d) 56
29. If the letters in PRABA are coded as 27595 and THILAK are coded as 368451, how can BHARATI be coded?
(a) 9657533 (b) 9567538
(c) 9675538 (d) 9567568
30. If in a code language PARENT is written as BDFGJK and CHILDREN is written as MOXQUFGJ, how is REPRINT written in that code?
(a) FGBFXGD (b) BGBFXJK
(c) FGBUXJK (d) FGBFXJK

31. If A= 1, B = 2, C=3,..... Z = 26 and the code for CONSTABLE is 91, then what will be the code of STABLE?
(a) 97 (b) 59 (c) 79 (d) 75

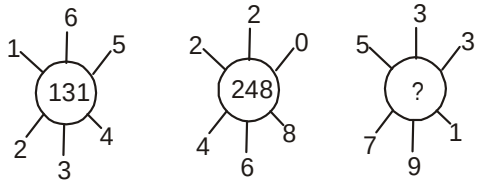
32. If in a code language 'BODY is written as 'APCZ' then how will 'DELHI' be written in the same language ?
(a) CFKGI (b) BFKGI (c) CFKIH (d) CFKH

33.


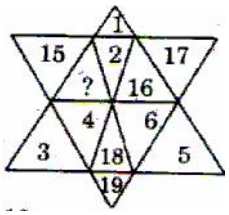
(a) 5 (b) 6 (c) 8 (d) 9

34.


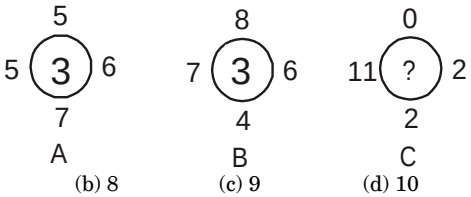
(a) 117 (b) 100 (c) 78 (d) 63

35.


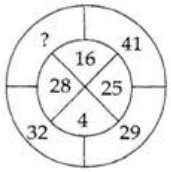
(a) 320 (b) 274 (c) 262 (d) 132

36.


(a) 13 (b) 14 (c) 20 (d) 21

37.


(a) 7 (b) 8 (c) 9 (d) 10

38.


(a) 34 (b) 44 (c) 54 (d) 24

39.


(a)10 (b) 11 (c) 12 (d) 13

40.


(a)13 (b) 15 (c) 17 (d) 19

41.

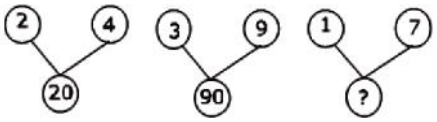
B_7	D_4	S_9
D_5	B_3	S_4
S_{11}	D_7	?

(a) D_{27} (b) B_{16} (c) S_{16} (d) D_{16}

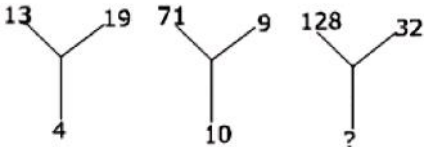
42.

Z_{41}	X_{31}	V_9
A_{61}	C_{21}	?
T_{51}	R_{41}	P_{15}

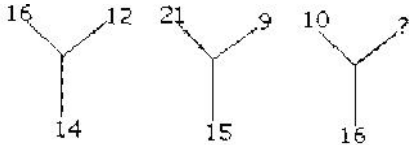
(a) S_{12} (b) E_{12} (c) D_{21} (d) S_{21}

43.


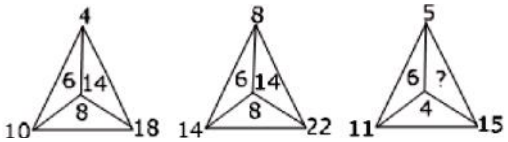
(a) 20 (b) 25 (c) 50 (d) 75

44.


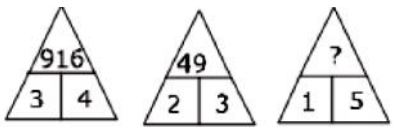
(a) 25 (b) 15 (c) 10 (d) 20

45.


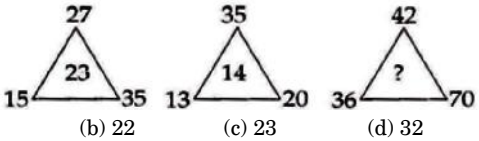
(a) -21 (b) 12 (c) 32 (d) 22

46.


(a) 6 (b) 8 (c) 10 (d) 14

47.


(a) 125 (b) 215 (c) 251 (d) 512

48.


(a) 29 (b) 22 (c) 23 (d) 32

Solution and Answer

1. Option B

1st letter : W $\xrightarrow{-3}$ T $\xrightarrow{-3}$ Q $\xrightarrow{-3}$ (N)

2nd letter : F $\xrightarrow{+1}$ G $\xrightarrow{+1}$ H $\xrightarrow{+1}$ (I)

3rd letter : B $\xrightarrow{+2}$ D $\xrightarrow{+3}$ G $\xrightarrow{+4}$ (K)

2. Option B

1st letter : A $\xrightarrow{+6}$ G $\xrightarrow{+6}$ M $\xrightarrow{+6}$ (S) $\xrightarrow{+6}$ Y

2nd letter : Z $\xrightarrow{-6}$ T $\xrightarrow{-6}$ N $\xrightarrow{-6}$ (H) $\xrightarrow{-6}$ B

3. Answer: Option C

H $\xrightarrow{+1}$ I $\xrightarrow{+2}$ K $\xrightarrow{+3}$ N $\xrightarrow{+4}$ (R)

4. Option A

The given sequence is a combination of two series:
I. Z, W, T, Q, ? and II. S, O, k, G, ?

The pattern in I is : Z $\xrightarrow{-3}$ W $\xrightarrow{-3}$ T $\xrightarrow{-3}$ Q $\xrightarrow{-3}$ (N)

The pattern in II is : S $\xrightarrow{-4}$ O $\xrightarrow{-4}$ K $\xrightarrow{-4}$ G $\xrightarrow{-4}$ (C)

5. Option A

The series may be divided into groups as shown:
b e d / f ? h / j ? l
Clearly in the first group, the second and third letters are respectively three and two steps ahead of the first letter.
A similar pattern would follow in the second and third groups.

6.Option A

A $\xrightarrow{+6}$ G $\xrightarrow{+5}$ L $\xrightarrow{+4}$ P $\xrightarrow{+3}$ S $\xrightarrow{+2}$ (U)

7. Option B

Explanation:

1st letter : a $\xrightarrow{+6}$ g $\xrightarrow{+6}$ (m) $\xrightarrow{+6}$ s $\xrightarrow{+6}$ y

2nd letter : j $\xrightarrow{+6}$ p $\xrightarrow{+6}$ (v) $\xrightarrow{+6}$ b $\xrightarrow{+6}$ h

3rd letter : s $\xrightarrow{+6}$ y $\xrightarrow{+6}$ e $\xrightarrow{+6}$ k $\xrightarrow{+6}$ q

8. Option C

The number of letters in the terms of the given series increases by one at each step.
The first letter of each term is two steps ahead of the last letter of the preceding term.
However, each term consists of consecutive letters in order.

9. Option C

The given sequence is a combination of two series :
I. Y,T, O and II. B, G, ?
I consists of 2nd, 7th and 12th letters from the end of the English alphabet, while
II consists of 2nd, 7th and 12th letters from the beginning of the English alphabet.
So, the missing letter in II is the 12th letter from the beginning of the English alphabet, which is L.

10. Option C

The given sequence is a combination of two series:
I. C, F, I, L, O, ? and II. Z, X, V, T, ?

The pattern in I is : C $\xrightarrow{+3}$ F $\xrightarrow{+3}$ I $\xrightarrow{+3}$ L $\xrightarrow{+3}$ O $\xrightarrow{+3}$ (R)

The pattern in II is : Z $\xrightarrow{-2}$ X $\xrightarrow{-2}$ V $\xrightarrow{-2}$ T $\xrightarrow{-2}$ (R)

11.A In this series, the letters progress by 1; the numbers decrease by 3.

12. A

First Square:
6 + 4 + 4 = 14
N is the 14th letter.
Second Square:
4 + 1 + 7 = 12
L is the 12th letter.
Third Square:
5 + 6 + 10 = 21
U is the 21st letter.
Fourth Square:
14 + 2 + 1 = 17
Q is the 17th letter.

13. A. 180

2 + 2 = 4 {2 * 2 * 1}
3 + 3 = 18 {3 * 3 * 2}
4 + 4 = 48 {4 * 4 * 3}
6 + 6 = 180 {6 * 6 * 5}

14. A

If you look closely, you will find that the center number can be obtained by multiplying the largest numbers on the corners and subtracting the smallest number from it.
26 = 7 * 5 – 3^2
In the same manner, every other figure follows. Thus the missing number:
9 * 5 – 4^2
= 45 – 16
= 29

15. A. 98.

Explanation : ab + a(a-1)
7 * 8 + 7(7-1)
= 56 + 42

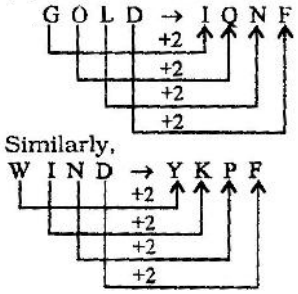
16. A

L8

Explanation:

To know why, just read the number series upside down and you will find that the numbers are 91, 90, 89, 88, __, 86
So L8 when read upside down reads as 87.

17. (A)



Similarly,

18. (B)

A = 1 → The position number in English alphabet.

P A T
↓ ↓ ↓
16 + 1 + 20 = 37

Sum of Position Numbers of the letters in English alphabet.

Similarly,

T A P
↓ ↓ ↓
20 + 1 + 16 = 37

19.(C)

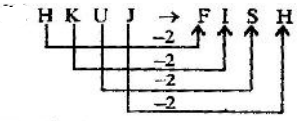
D = 4 and

B A D
↓ ↓ ↓
2 + 1 + 4 = 7

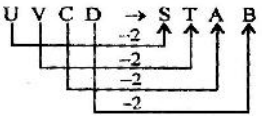
Similarly,

A N T
↓ ↓ ↓
1 + 14 + 20 = 35

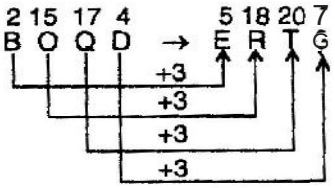
20.(b)



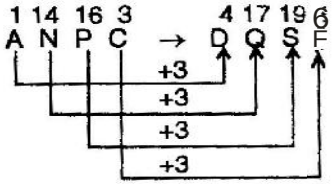
Similarly,



21.(a)



Similarly,

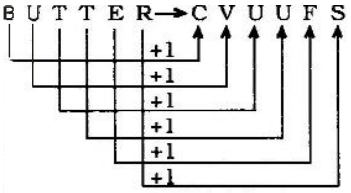


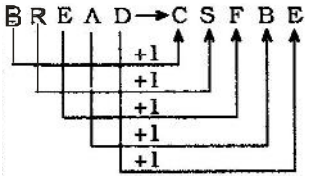
22.(a)

23.(d) There is no 'G' letter in the given word.

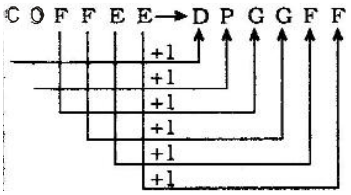
24. (a) EGQU

25.(a)





Therefore



26. (b)

C L O U D
↓ ↓ ↓ ↓ ↓
5 9 4 3 2
R A I N
↓ ↓ ↓ ↓
1 6 7 8

Therefore

A R O U N D
↓ ↓ ↓ ↓ ↓ ↓
6 1 4 3 8 2

27.(b) There is no 'A' letter in the given word. Therefore, the word CAUTION cannot be formed.

28.(c) 55. Discuss with Alok Sir.

29.(a)

P R A B A
↓ ↓ ↓ ↓ ↓
2 7 5 9 5

T H I L A K
↓ ↓ ↓ ↓ ↓ ↓
3 6 8 4 5 1

Therefore,

B H A R A T I
↓ ↓ ↓ ↓ ↓ ↓ ↓
9 6 5 7 5 3 8

30.(d)

P A R E N T
↓ ↓ ↓ ↓ ↓ ↓
B D F G J K

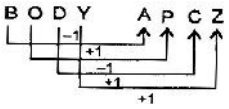
C H I L D R E N
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
M O X Q U F G J

Therefore,

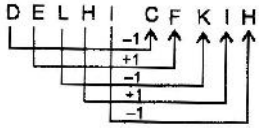
R E P R I N T
↓ ↓ ↓ ↓ ↓ ↓ ↓
F G B F X J K

31.(a) Here we get the answer by adding the order number of theletters of stable.

32.(c) As



Similarly



33. D
34. C
35.C
36.B
37.C

38. (b) The pattern is as follows;
Moving clockwise we get
$16+25=41; 25+4=29; 4+28=32$
Therefore missing number 28+16=44.

39. (b) The pattern is as follows
Moving clockwise we get,
Right half form the series : 2,3,4,5
Left half form the series: 5,7,9,11
Therefore, missing number =11.

40. (b) the pattern is as follows
$\frac{25+17}{7}=6; \frac{38+18}{7}=8$
Therefore, missing number = $\frac{89+16}{7}=15$

41. (b) The pattern is as follows
In each row, out of the letters B, D and S eachof these must appear once.
The numbers are written as follows:
In the first row, $(7-4)^2=9;$
In the second row, $(5\text{-}3)^2=4$
And in the third row, $(11-7)^2=16$
Therefoe, missing pair of letter andnumber = B_{16}

42. (b) the pattern is as follows
In the first row V,X,Z; in the second row A, C, E and in the third row P,R,T
The numbers in each column form an arithmetic series
In the first column 41, 51, 61
In the second column 21, 31, 41
And in the third column 9, 12, 15
Therefore, Missing pair of letter and number = E_{12}

43. (c) The pattern is as follows
$2^2+4^2=20; \quad 3^2+9^2=90$
Therefore, missing number = $1^2+7^2=50$

44. (d) The pattern is as follows
$\frac{13+19}{8}=4; \frac{71+9}{8}=10$
Therefore,missing number = $\frac{128+32}{8}=20$

45. (d) The pattern is as follows
In the first figure $\frac{(16+12)}{2}=14;$
In the second figure = $\frac{(21+9)}{2}=15$
Let the missing number be x
Then, in the third figure, $\frac{(10+x)}{2}=16$
Or, x=22
Therefore, missing number =22.

46. (a) The pattern is as follows
In the first fig. 10 – 4 = 6; 18-10=8;
18-4=14;
In the second fig. 14-8=6; 22-14=8
22-8=14
In the third gir. 11-5=6; 15-11=4
Therefore, missing number in the third fig. =15-5=10.

47. (a) The pattern is as follows :
Number in the upper part = combination of the numbers obtained by squaring the numbers at the bottom.
In the first triangle, $(3)^2(4)^2=916$
In the second triangle, $(2)^2(3)^2=49$
Therefore, missing number in the third triangle $=(1)^2(5)^2=(1)(25)=125$

48. (b) The pattern as as follows
The number in the centre of the triangle = sum of the digits of all the three numbers at the vertices
In the first triangle 15+27+35
=(1+5)+(2+7)+(3+5)=23
In the second triangle, 13+35+20.
=(1+3)+(3+5)+(2+0)=14.
Therefore, Missing number in the third triangle
=42+36+70
=(4+2)+(3+6)+)+(7+0)=22.