

NEET/AIIMS ONLINE TESTS

Authentic Questions
Prepared by Toppers

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Rs 900
20 Tests

Ch - 1 Analogy

- (a) First is the name given to the state of loss of the second
- (c) First is a disease which affects the second
- (c) The words in each pair are synonyms of each other.
- (c) Berries grow on bush; melon grows on vine.
- (c) First indulge in the second
- (d) Coal produces thermal energy. Similarly, water produces hydel energy.
- (c) The relationship is $(2x-4): x$.
- (d) The relationship is $x : \frac{x^2}{2}$
- (d) The relationship is $x : (x^2 - 1)$.

Ch - 2 Series

- (a) The sequence consists of two series 4, 5, 6,... and 7, 9, 11
- (d) The series is of prime number series
- (a) $\frac{1}{24} \times 2 = \frac{1}{12}, \frac{1}{12} \times 3 = \frac{1}{4}, \frac{1}{4} \times 4 = 1$ and so on
- (d) The sequence is $4^1, 4^2, 4^3, 4^9, \dots$ and so on
- (d) The sequence is $-4, -2, -4, -2, \dots$ and so on
- (a) There are two sets which fulfil the conditions and these are 3, 8 and 4, 8

LETTER SERIES

- (d) The sequence is $+2, +4, +2, +4$ series
- (c) First letters form a series of (J, K, L, M); second letters form a series of (A, E, I, O, U) and third letters form a series of (V, W, X, Y)
- (a) The denominators are fourth, sixth, eighth and hence tenth letters preceding the numerators

Ch - 3

- | | | | | | | | | | |
|--------|----|----|----|----|-----------|----|----|----|----|
| 1. (a) | -2 | +2 | -2 | +2 | | -2 | +2 | -2 | +2 |
| | L | A | W | N | Similarly | S | L | I | T |
| | ↓ | ↓ | ↓ | ↓ | | ↓ | ↓ | ↓ | ↓ |
| | J | C | U | P | | Q | N | G | V |

- (c) PRAISE $\rightarrow \# @ \$ 2 7 \%$
RESPIRE $\rightarrow @ \% 7 \# 2 @ \%$
Then,

REPAIR → @ % # \$ 2 @

3. (a) L O N G E A R
5 1 2 3 7 4 8

Similarly,
L A N E
5 4 2 7

4. (a) R E A D P I
5 % 6 \$ 4
So, RIPE → \$4\$5

5. (a)

6. (a) Letters of words are coded as a specific number. Same numbers shall apply to the similar letter in question word.

7. (a) Numerics 1 to 26 are assigned to alphabets in sequence then

B A N D R A =

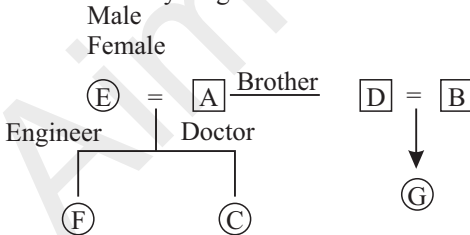
$$2 + 1 + 14 + 4 + 18 + 1 = 40$$

D U M D U M =

$$4 + 21 + 13 + 4 + 21 + 13 = 76$$

Ch - 4

1. (a) Only child of Naman's grandmother - Naman's father/mother
Daughter of Naman's father/mother - Naman's sister
2. (d) Lady's mother's husband - Lady's father; Lady's father's sister - Lady's aunt
3. (b) Girl's father's only son - Girl's brother; Grandmother; Daughter - in - law of girl's grandmother - Girl's mother
4. (b) Clearly, B and C are the parents of the couple
5. (d) Draw the family diagram



□ = Male ○ = Female

6. (b) Females in the family are wife, three wives of three sons and two daughters. So, there are 6 females

Ch - 5

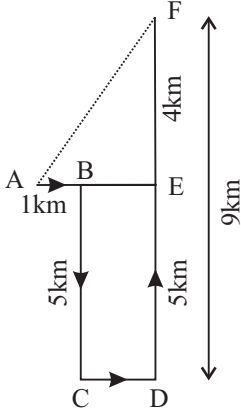
1. (c) The movements of the man are as shown in this Fig. (A to B, B to C, C to D, D to E)

Clearly, $CF = BC = 5\text{km}$

$EF = (DE - DF) = (9 - 5)\text{km} = 4\text{km}$

$BF = CD = 2\text{km}$

$AF = AB + BF = AB + CD = (1 + 2)\text{km} = 3\text{km}$



\therefore Man's distance from starting point A

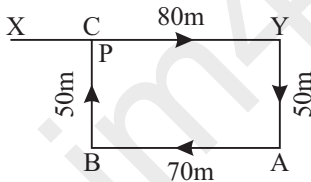
$$= AE = \sqrt{AF^2 + EF^2}$$

$$= \sqrt{3^2 + 4^2} + \sqrt{25} = 5\text{km}$$

2. (a) The movements of Raj are as shown in Fig (X to Y, Y to A, A to B, B to C).

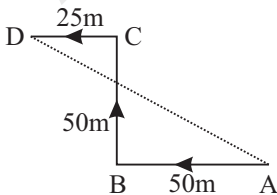
\therefore Raj's distance from the starting point

$$= XC = (XY - YC) = (XY - BA)$$



$$= (80 - 70)\text{m} \Rightarrow 10\text{m}$$

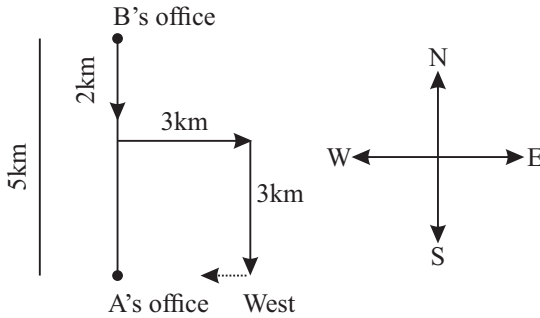
3. (d) Since Aditya's house faces towards east and he walks from backside of his house, it means that he starts walking towards West. Thus, the movements of Aditya are as shown in Fig. (A to B, B to C, C to D)



Clearly, Aditya's final position is D which is to the North-West of the starting point A

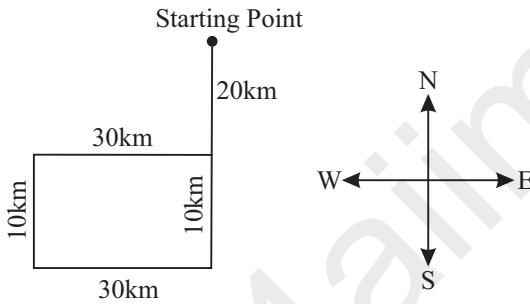
4. (a) The posture of the man is as shown. Clearly, the left hand points towards North

5. (b)



So, answer to West

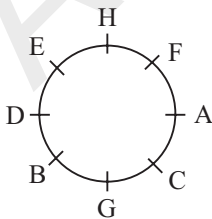
6. (b)



Shyam is 30m far from the starting point

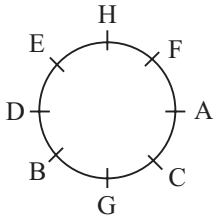
Ch - 6

7. (a) Given figure shows the correct position of persons sitting around the circular table.



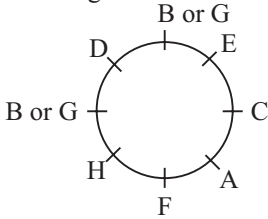
F is third to the left of D

8. (c) Given figure shows the correct position of persons sitting around the circular table



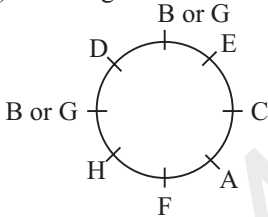
E is sitting between H and D. Hence, alternative is not correct.

9. (b) Given figure shows the correct position of persons sitting around the circle



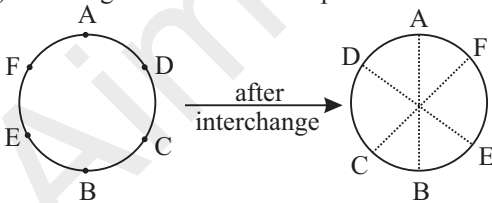
A is sitting to the right of F

10. (d) Given figure shows the correct position of persons sitting around the circle.



It is clear from the diagram, C is sitting between A and E

11. (d) Given figure shows the final position according to question

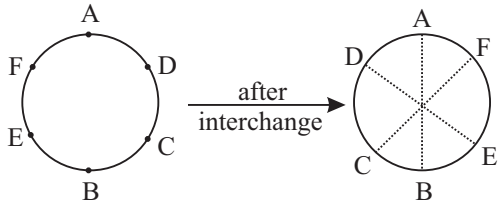


Initial position

New position

A is sitting to the left of D

12. (a) Given figure shows the final position according to question

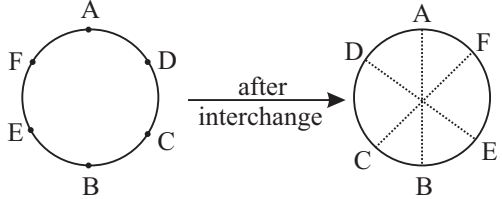


Initial position

New position

E is sitting to the left of C

13. (a) Given figure shows the final position according to question



Initial position

New position

E is sitting opposite to A

Ch - 7

- (d) In the first row, $(28.7) \div 5 = 5.6$, in the second row, $(84.12) \div 5 = 16.8$
 \therefore In the third row, missing number = $(45.9) \div 5 = 9.18$
- (d) In the first column, $6 \times 8 + 3 = 51$.
 In the second column, $15 \times 4 + 5 = 65$.
 \therefore In the third column, missing number
 = $20 \times 5 + 20 = 120$

Ch - 8

- (d) Required difference = $(5 + 7 + 3) - (8 + 4 + 2) = 15 - 14 = 1$
- (a)

Original Number	3	2	1	4	6	5	9	8	7
Number formed by arranging digits in descending order	9	8	7	6	5	4	3	2	1

- (d) The given number is : 95137248
 Arranging the digits in ascending order, we get : 12345789
 We have the following 3 pairs of digits, satisfying the given conditions

Digits In Given Number	<u>5</u> 4 <u>3</u>	<u>3</u> 7 2 4 <u>8</u>	<u>7</u> 2 4
Digits In Ascending Order	<u>3</u> 4 <u>5</u>	<u>3</u> 4 5 7 <u>8</u>	<u>4</u> 5 <u>7</u>

4. (a) Karan is 17th from the right end.

Number of boys to the left of Karan + $(29 - 17) = 12$

So, Karan is 13th from the left end.

Also, Rohit is 17th from the left end.

Clearly, there are 3 boys between Rohit and Karan

5. (c) Number of boys to the left of Deepak = $(40 - 31) = 9$.

So, Deepak is 10th from the left end.

Shreya is third to the right of Amit. So, Shreya is 14th from the left end.

Clearly, Shreya is fourth to the right of Deepak

6. (c) A is 18th from front and C is 25th.

Number of persons between A and C = 6.

Since C is exactly in middle of A and B, so number of persons between C and B

= 6

$\leftarrow^4 \rightarrow N \leftarrow^5 \rightarrow T \leftarrow^5 \rightarrow S \leftarrow^7 \rightarrow$

\therefore Number of persons in the queue.

= $(17 + 1 + 6 + 1 + 1 + 15) = 47$

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