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Solutions (1-5):

D lives just above B. Two persons live between D and A. Six persons live between A and G.

Case 1	Case 2	Case 3	Case 4
D	A	G	G
B			
A	D		
	B	D	
		B	
	G	A	A
G			D
			B

The number of floors between G and E is same as in between E and F, who lives on the bottom most floor. Either sixteen or seventeen floors are there in the building. E and F live below A. This will eliminate Case 3 and Case 4. Not more than three floors are above D.

Case 1	Case 2
D	A
B	
A	D
	B
	G
G	
	E
E	
	F
F	

Not more than one person lives between C and E. The number of floors between C and H is thrice the number of floors between G and C. This will eliminate case 1. E lives above H but below C. So, the final arrangement is:
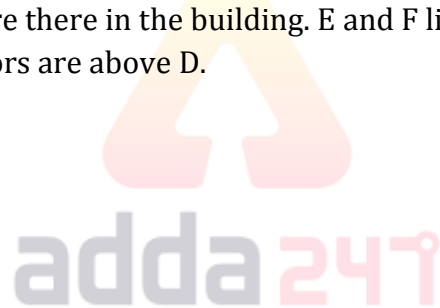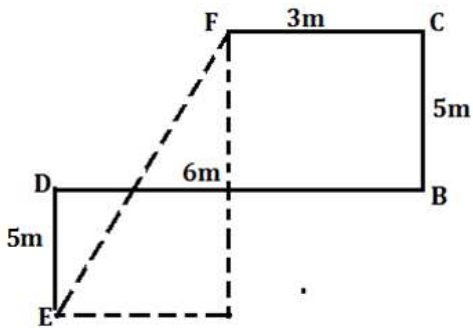
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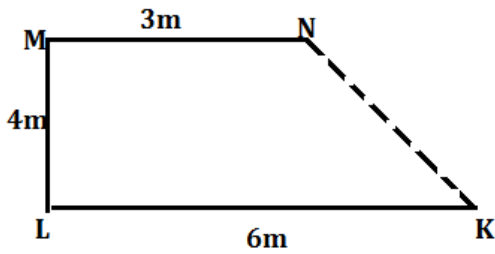**Adda247** | No. 1 APP for Banking & SSC Preparation
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A	
D	
B	
G	
C	
E	
H	
F	

S1. Ans.(d)
S2. Ans.(c)
S3. Ans.(c)
S4. Ans.(e)
S5. Ans.(e)

S6. Ans.(d)
Sol.

$EF = \sqrt{3^2 + 10^2} = \sqrt{109}$ m

S7. Ans.(b)
Sol.

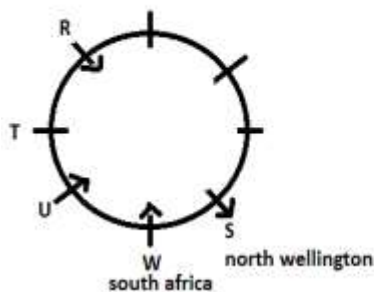$NK = \sqrt{3^2 + 4^2} = 5$m

S8. Ans.(a)
**Sol.**
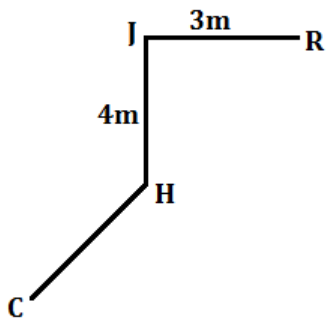
Solutions (9-13):
R sits third to the left of W, who belongs to South Africa and both are facing the same Solutions. R is an immediate neighbour of T. U sits second to the right of R.S is not facing the centre and belongs to North Wellington. The immediate neighbours of T are facing the centre. S and U are immediate neighbours of W.
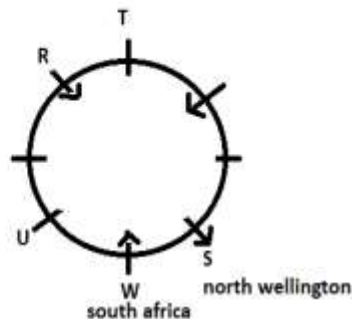
T sits fourth to the left of V and both are facing opposite Solutions but they are from same place. So, case2 gets eliminated. R and Q are not facing the same Solutions. The one who is on the immediate left of U is not facing the centre. The persons who belong to East Coast sit adjacent to each other, but face opposite Solutions. The persons who belong to West Coast sit opposite to each other. One of the person who belongs to South Africa is an immediate neighbour of the persons who belongs to North Wellington. V sits on the immediate right of Q, who belongs to East Coast.
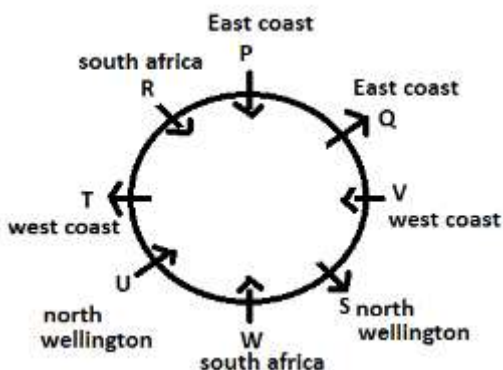
S9. Ans.(b)
S10. Ans.(a)
S11. Ans.(e)
S12. Ans.(b)
S13. Ans.(e)

Solutions (14-17):

In this new pattern coding decoding each letter, except letters having place value(alphatical series) as multiple of 5 , is assigned a number from 5-10 So,A-5 B-6, C-7, D-8, F-9, G-10, H-5,I-6, K-7, L-8, M-9, N-10, P-5, Q-6, R-7, S-8, U-9, V-10, W-5, X-6, Z-7.

Each alphabet with place value as multiple of 5 is assigned a different symbol as-£ ,β ,∞, Ω, μ.

So, the symbols are – E- £, J- β,O -μ ,T -∞, Y -Ω.

S14. Ans.(c)
Sol. third - ∞5678   letter- 8£∞∞£7

S15. Ans.(a)
Sol. exam - *65*   one - £10μ   level- 8£10£8
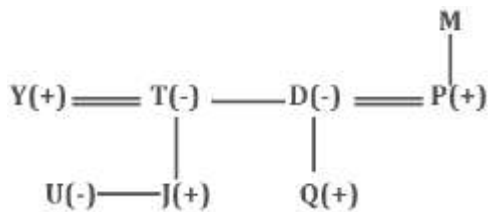
S16. Ans.(d)
Sol. create - 77£5∞£   system-8Ω8∞£9

S17. Ans.(b)
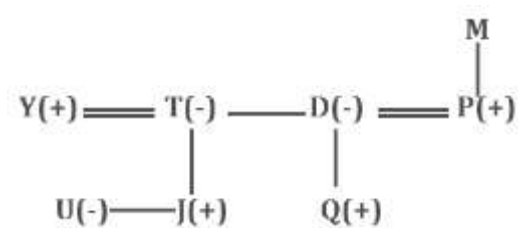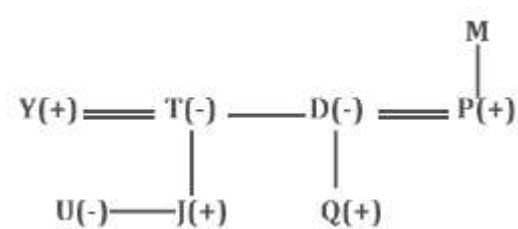**Sol.** journey- βμ9710£Ω   about - *6μ9*

Solutions (18-20):

S18. Ans.(c)
Sol.

S19. Ans.(d)
Sol.

S20. Ans.(b)
Sol.

S21. Ans.(c)
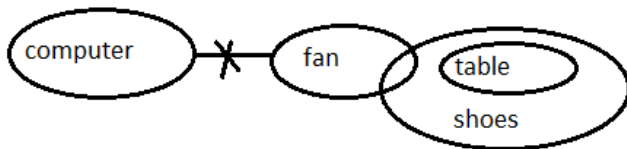**Sol.**
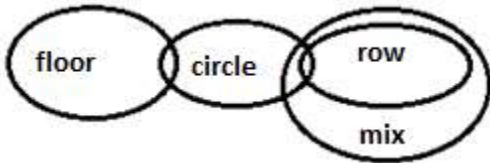
S22. Ans.(e)
Sol.
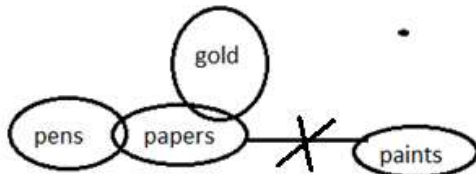
S23. Ans.(e)
Sol.

S24. Ans.(c)
S25. Ans.(b)

Solutions (26–30):

P, who watches breaking bad, is neither a surfer nor a general manager, whereas Q is a Boxer and does not watch Simpsons or prison break. One of them is a Gymnast and watches Ninja warrior. The person who watches Simpsons is a renowned dentist. V does not watch Orphan black. Q watches Tom and jerry. T and U watch prison break and ninja warrior respectively. S and R watch Simpsons and the ultimate fighter respectively.

Persons	Profession	Tv shows
P	~~Surfer/general manager~~	Breaking bad
Q	Boxer	Tom and jerry
R		Ultimate fighter
S	Dentist	Simpson
T		Prison break
U	Gymnast	Ninja warrior
V		~~Orphan black~~
Z		

The person who is a cyclist always watches orphan black. One who watches Impractical jokers is an accountant. The one who watches the ultimate fighter is neither a surfer nor an Inspector.

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Persons	Profession	Tv shows
P	Inspector	Breaking bad
Q	Boxer	Tom and jerry
R	General manager	Ultimate fighter
S	Dentist	Simpson
T	Surfer	Prison break
U	Gymnast	Ninja warrior
V	Accountant	Impractical jokers
Z	Cyclist	Orphan black

S26. Ans.(b)
S27. Ans.(c)
**S28. Ans.(a)**
S29. Ans.(b)
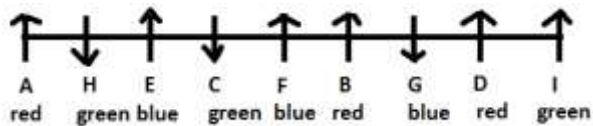**S30. Ans.(e)**

Solutions (31-35):
F sits exactly in middle of the row. H is 3rd to the left of F and likes green. One of the neighbor of H is A, who likes red. G is 3rd to the left of C and likes blue. B likes red. One person sit between H and C, who faces south.
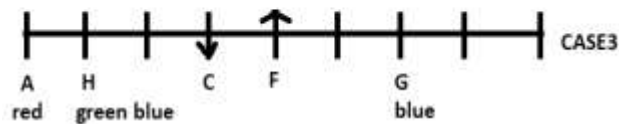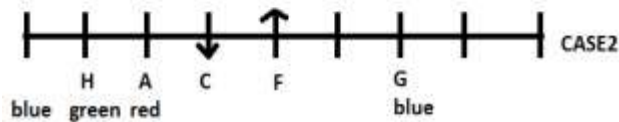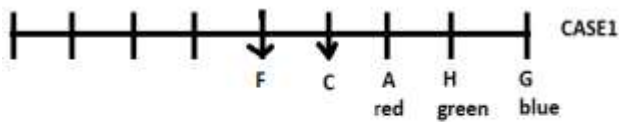
The number of persons sitting between E and B is same as between B and I. I do not like blue or red. So, case2 gets eliminated. More than three persons sit between H and I. D is one of the persons and does not like same color as H. B likes red.
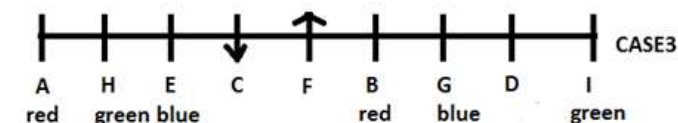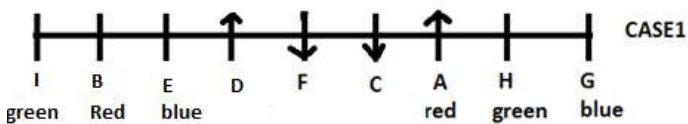
All the persons who likes blue face north except the one sitting 2nd to the right of F. D cannot like blue and both F and C face south. This will eliminate case 1. Now, H and I face opposite Solutions. All the persons who likes red face north. So the final arrangement will be-

A	H	E	C	F	B	G	D	I
red	green	blue	green	blue	red	blue	red	green

S31. Ans.(c)

S32. Ans.(e)

S33. Ans.(c)

S34. Ans.(d)

S35. Ans.(d)

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