ANSWER WITH EXPLANATION

Solutions (1-2) :
R and U are husband and wife respectively
U is mother of L and D
U's daughter is L.
D and J are are husband and wife and K is their son.
F is mother of J.

1. (d) As F is mother of J and J is wife of D, so D is son-in-law of F.

2. (b) R is grandfather of K.

Solutions (3 – 5)
S > T, R
U > Q > P
As R does not have least number of offices so it is T having lest number of offices.
The final arrangement is
U > Q > P > S > R > T
　　 23　　 12　　 5

3. (c) R has the second least number of offices.

4. (d) P has number of offices more than 12 and less than 23.
So, 18 is that number which is divisible by both 2 and 3.

5. (d) R has more than 5 but less than 12 offices.

Solutions (6-10) :
(6 - 7) :
S ≤ L < I P ≥ E > R
L > Q
Q < L ≤ I = P ≥ E > R

6. (c) Conclusions :
I. P ≥ S : True
II. I > R : True

7. (e) Conclusions :
I. P ≥ S : True
II. I > R : True

(8 – 10) :
G > R ≥ E = A ≤ T ≤ S
D ≤ A ≤ J
D ≤ A ≤ T
G > R ≥ E = A ≤ J

8. (e) Conclusions :
I. T ≥ D : True
II. R > S : Not True

9. (e) Conclusions :
I. J > E : Not True
II. J = E : Not True

J is either greater than or equal to E.
Therefore, either Conclusion I or Conclusion II is true.

10. (a) A ≥ B > C ≤ D ≤ E < F
Conclusions :
I. A ≥ E : Not True
II. C < F : True

11. (b)
$(63 – 24 ÷ 8 + 4 ÷ 2 × 3) = 63 – 3 + 6 = 66$

12. (b)

Z　Y　| X　W |　U　V

13. (b)
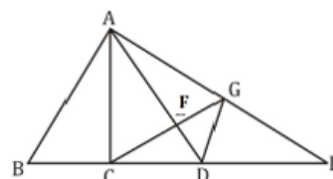$6 × 8 + 3 = 51$
$15 × 4 + 5 = 65$
Similarly,
$20 × 5 + 20 = 120$

14. (c)

ΔABC, ΔACD, ΔADE, ΔACE, ΔABE, ΔABD
ΔADG, ΔGDE, ΔCGE, ΔACG,
ΔAFC, ΔFGD, ΔFCD, ΔAFG, ΔACG
∴ Total triangles = 15

15. (b)
$6 × 5 + 3 × 3 = 39$
$5 × 7 + 4 × 4 – 51$
Similarly,
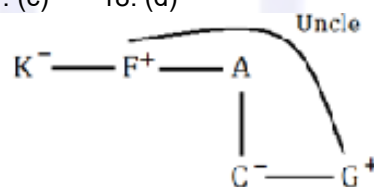$5 × 5 + 3 × 4 – 37$

16. (c)
Correct meaningful order is :-
2. Clay　5. Bricks　1. Wall　4. Room　3. House

17. (c)　　18. (d)

F is uncle of G

19. (a)

20. (b)

21. (d)
$6 \times 6 = 36, 3 \times 6 = 18, 1 \times 8 = 8$

22. (a)
The pattern is $3 \times 1^2, 3 \times 2^2, 3 \times 3^2, 3 \times 4^2, 3 \times 5^2, 3 \times 6^2$

23. (c)
Eight is added to every letter to obtain the corresponding letter of next term.

24. (c)
Each letter of 1st term is moved seven places forward to get 2nd term. So, 'c' will be correct.

25. (b)
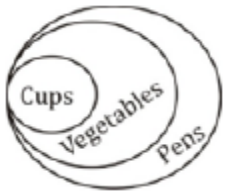2 is subtracted from each digit $(4 - 2) (6 - 2) (7 - 2) (3 - 2)$ = 2451

26. (c)

27. (c)
w a x / w a x/ w a x / w a x / w a x

28. (d)

29. (c)

30. (d)
ATQ, $\dfrac{P}{Q} = \dfrac{5x+3}{9x+3} = \dfrac{8}{11}$
x − 1, so present age of Q − 8x − 8

31. (a)

hit Ka tom = tie the shoes

ka lo fod = shoes of leather

lo tin lot = leather and raxin

of => fod

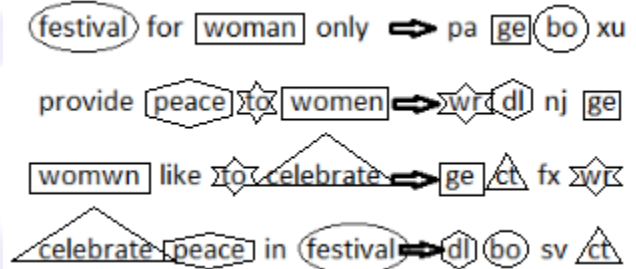32. (b)
Each letter is moved one letter backward

33. (b)

34. (c)
A + B + C = 60 and A + B = 38, so C = 22

35. (c)
A → B → C →D, G →H→I→J, M →N→O→P

(36 – 40) :

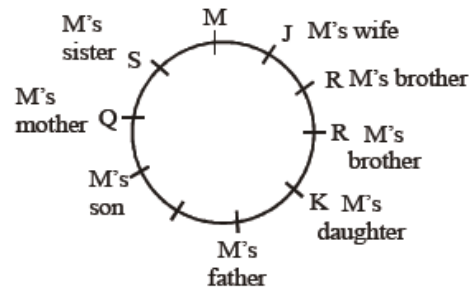36. (c)   37. (a)   38. (b)   39. (d)   40. (d)

(41 – 45) :

41. (b)   42. (c)   43. (d)   44. (d)   45. (a)

46. (b)   47. (a)   48. (c)

49. (d)
The middle position out of 31 boys is 16
Hence, Amal's original position from left end is,
16 – 3 = 13
Hence, the original position of Prabu from right end is,
= (31 – 13) + 1 = 18 + 1 = 19th

50. (d)
D > B > C > A
Hence, D is tallest amongst all.

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