ANSWER WITH EXPLANATION [SET – 34]

1. (b)
The given series–
$12 × 0.5 + 0.5 = 6.5$
$6.5 × 1 + 1 = 7.5$
$7.5 × 1.5 + 1.5 = 12.75$
....
$= 71.25 × 3 + 3 = 216.75$

2. (a)

Each number multiply by $\dfrac{3}{2}$

3. (e)
$12 × 1 = 12; \qquad 12 × 1.5 = 18$
$18 × 2.5 = 45; \qquad 45 × 4 = 180$
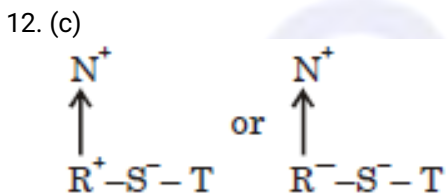$180 × 6.5 = 1170$
$? = 1170 × 10.5 = 12285$

4.(c)
$22 × 1^2 = 22 + 1 = 23; \qquad 23 + 2^2 = 23 + 4 = 27$
$27 + 3^2 = 27 + 9 = 36; \qquad 36 + 4^2 = 36 + 16 = 52$
$52 + 5^2 = 52 + 25 = 27$
$? = 77 + 6^2 = 77 + 36 = 113$

5.(d)
$16 × 1 - 2 = 14; \qquad 14 × 2 - 4 = 24$
$24 × 3 - 6 = 66; \qquad 66 × 4 - 8 = 256$
$256 × 5 - 10 = 1270$
$? = 1270 × 6 - 12 = 7620 - 12 = 7608$

(6 – 11) :

(Canara) (Dena) (BOM) (OBC)
C   A   B   D

P   Q   S   R
(Syndicate) (PNB) (Indian) (UCO)

6. (b)   7. (e)   8. (d)   9. (a)   10. (d)   11. (d)

12. (c)

N^+
↑
$R^+ – S^- – T$ or N^+
↑
$R^- – S^- – T$

13. (a)

V^-
↑
$W^+ – M^+$
↑
$Y^- – S$

14. (d)

N^+
↑
O^-
↑
$T^+ – L$

15. (c)

A N   C Q   E T   G W   I Z
+2   +2   +2   +2
  +3   +3   +3   +3
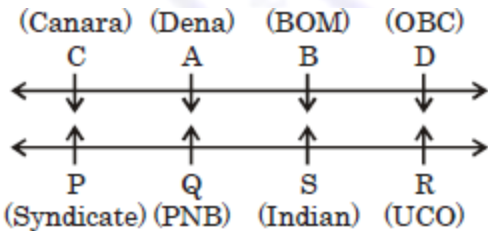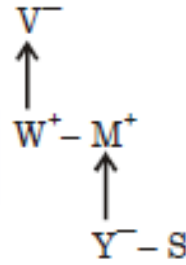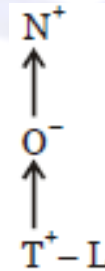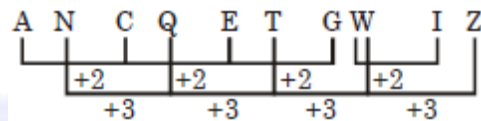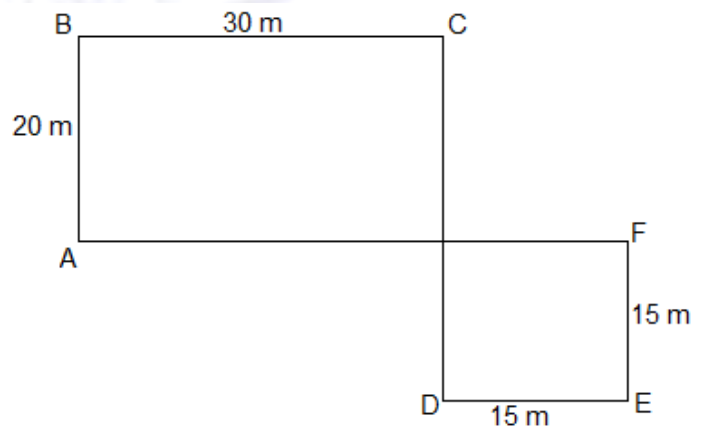
16. (c)
Food gives energy to the stomach and fuel provides energy to the engine.

17. (d)
Suresh starts from A. His afterward movements are shown in the diagram made according to the instructions. His final position is F. Now F lies to the east of A. He is at a distance AF which is (30 + 15) i.e. 45 m.

B ——— 30 m ——— C
20 m
A   F
                        15 m
              D —— 15 m —— E

18. (a)
Brook is a natural stream of fresh water where as others may be artificially formed.
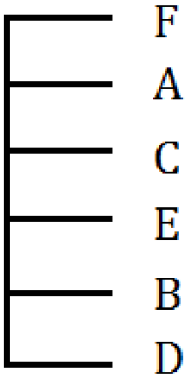
19. (c)
Sol. Only son of woman's grandfather means woman's father; Man's brother's father means man's father. So, the woman is the sister of the man.

20. (d)
D > C > A > E > B
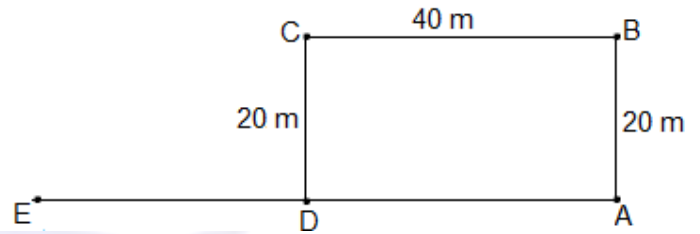Hence, both C and A are older than E but younger than D

21. (b)

F
A
C
E
B
D

∴ Only two persons B and D are sitting to the right of E.

22. (d)
Mahesh starts from A and moves North, reaches B. Then turns left i.e. West reaches C; now turns left to reach D and finally turns right and reaches E. According to the diagram, now EA = ED + DA = ED + CB = 20 + 40 = 60 m.

C — 40 m — B
20 m   20 m
E ——— D ——— A

23. (a)
Because there is no 'A' in the given word.

24. (c)
Potato is not a root whereas the rest of the three items are forms of root.

25. (c)
The rule is $3 \times 5 + 4 = 19$; $5 \times 7 + 6 = 41$; $4 \times 6 + 5 = 29$.
∴ the missing number is 41.

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