

Deepak Tirthyani

India's No. 1 Reasoning Teacher



SOLUTIONS **Mock Test (46 to 50)**

- More than 7 Year Teaching Experience in SSC, Railway and Banking Exams.
- Currently Teaching in Unacademy, Wifistudy YouTube Channel.
- More than 500 Million+ Views on Youtube and Unacademy Videos
- More than 300 times in you tube Trending videos.
- Best Faculty Award in 2019-20.
- Given Highest Number of selections in SSC, Railway and Bank Exam Pan India.
- Qualified IBPS PO, SBI PO, in 2016-17.
- More than 1500+ videos on YouTube.

Reasoning by Deepak sir

Reasoning in My Blood

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46
Moct Test

SOLUTION



1. (A) P R S Q
 ↓ ↓ ↓ ↓
 ↑ ↑ ↑ ↑
 D B A C

R is sitting opposite to B.

2. (C)

Some students are teachers in future as students and teacher make a Society.

3. (D) 64, 125 and 216 is the cubes of 4, 5 and 6 respectively where as 225 is the square of 15.
 4. (B) Tree comes from roots and smoke comes from fire.
 5. (B) Number of boys in the line before addition 12 from right + 4th from the left -1
 $= (12 + 4 - 1) = 15$
 \therefore Number of boys added in the row to complete 28 boys $= 28 - 15 = 13$.

6. (C) $\begin{array}{c} \text{Father}^+ \\ | \\ \text{Mother}^- \text{---} \text{Woman}^- \\ | \\ \text{Person}^+ \end{array}$

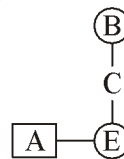
The relation of person cannot be determined the woman as can be his mother or can be his aunt.

7. (D) $\begin{array}{ccccccc} 28 & & 33 & & 31 & & 36 & & 34 & & \boxed{29} = 39 \\ & \uparrow & & \uparrow & & \uparrow & & \uparrow & & \uparrow & \\ & +3 & & -2 & & +5 & & -2 & & +5 & \end{array}$

8. (D) bp n lk b pnl k bpn l k
 nbkl

9. (B) $18 \div 2 + 10 - 5 \times 3$
 $= 9 + 10 - 15$
 $= 19 - 15$
 $= 4$

10. (A)



B is grand mother of A.

11. (C) $6 + 4 + 1 \rightarrow 11 \times 2 \rightarrow 22$
 $5 + 1 + 5 \rightarrow 11 \times 2 \rightarrow 22$
 $3 + 5 + 3 \rightarrow 11 \times 2 \rightarrow 22$

12. (A) cd d de | c dd d e | cdd d e

The sequence is which follows here cddde

13. (A)

Only conclusion I follows.

14. (A)

15. (C) CAB = 12
 $3 + 1 + 2 = 6 \times 2 = 12$
 FED = $6 + 5 + 4 = 15 \times 2 = 30$
 HIDE = $8 + 9 + 4 + 5 = 26 \times 2 = 52$

16. (D) iv. Pabloism ii. Pacable
 iii. Pachometer i. Parachute
 iv, ii, iii, i

17. (B)

18. (C) Q = 10 (Q opposite - J = 10)

$$\begin{array}{ccc} F & A & X \\ \downarrow & \downarrow & \downarrow \\ 21 & +26 & +3 = 50 \end{array}$$

Similarly

$$\begin{array}{ccccc} X & E & R & O & X \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ 3 & +22 & +9 & +12 & +3 = ? \\ & & & & 49 = ? \end{array}$$

19. (B) O B J E C T
75, 96, 22, 55, 44, 03

The digits in the number represents the code the first digit gives the column code and second digit gives the code of the row.

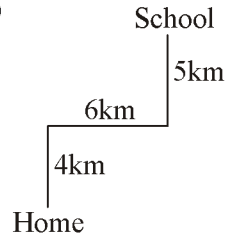
20. (D) Refuse and Deny is the pairs of synonyms.

Where as all the others are the pair of antonyms.

21. (D) $4 + 7 = 11$
 $9 + 4 = 13$

$$19 - 9 = 10$$

22. (B)



The boy's starting point is in south-west direction from his school.

23. (B) $\begin{array}{cccccc} L & K & I & F & B & W & Q \\ \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ -1 & -2 & -3 & -4 & -5 & -6 & \end{array}$

24. (D) A room is covered with wall and in option door is given. The logic is former is surrounded by the later.

25. (D) Chlorine is the part of Halogen similarly neon is the part of Inert gas.

घर बैठे Reasoning के किसी भी Topic को आसानी से और सरल भाषा में समझ सकते हैं वो भी बिलकुल Free

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47
Moct Test

SOLUTION



1. (D)

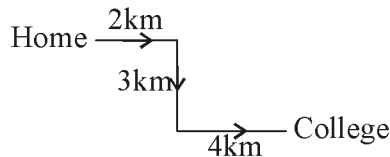


Goat are mammals and mammals are animals.

2. (A) fgg f gff g f g gfg f fgf
fggf3. (D) 0, 2, 3, 5, 10, 18, 33, 61, 112, 206

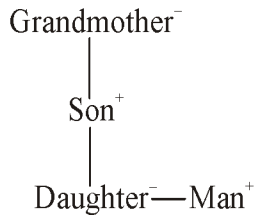
$$\begin{array}{cccccccccccc} \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ +2 & +1 & +2 & +5 & +8 & +15 & +28 & +51 & +94 & & & & \end{array}$$

4. (D) Vilas' home is in North-West direction from his college.

5. (C) 1, 0, 5, 124, 11, 1330, 17, 4912

$$\begin{array}{cccc} \downarrow & \downarrow & \downarrow & \downarrow \\ (1^3-1) & (5^3-1) & (11^3-1) & (17^3-1) \end{array}$$

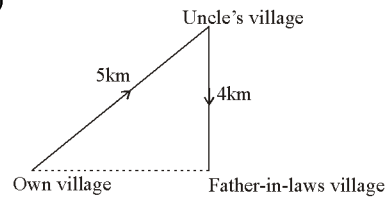
6. (D)



The woman is the sister of the man.

7. (B) 4) Franchise 5) Frantic
3) Fraternity 1) Fraudulent
2) Fraught
4, 5, 3, 1, 2

8. (B)



Distance between his own village and father-in-laws village

$$5^2 = 4^2 + x$$

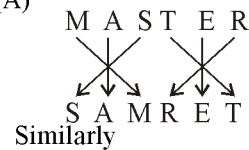
$$25 - 16 = x^2$$

$$9 = x^2$$

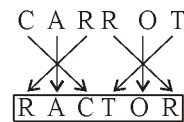
$$x = 3 \text{ km}$$

The man is in east direction and 3 km away.

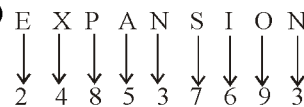
9. (A)



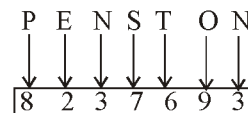
Similarly



10. (C)



Similarly



11. (D) CAT → 3 letters

$$72 \div 3 \rightarrow 24$$

Adding place values → $(3 + 1 + 20) = 24$

TROT → $292 \div 4 \rightarrow 73$

$(20 + 18 + 15 + 20) \rightarrow 73$

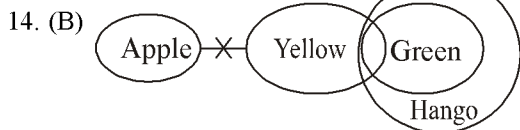
STAG → $(19 + 20 + 1 + 7) \rightarrow 47$

$47 \times 4 = 188$

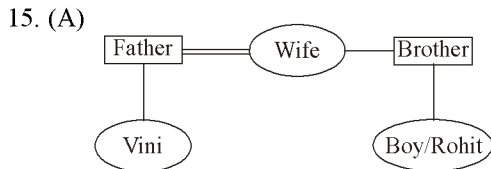
12. (A) Adding 1 to all the digits of formal to get later.

$$57416 : 68527 :: 64784 : 75895$$

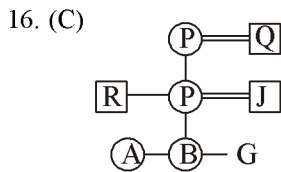
13. (B) $15 - 8 + 20 \times 10 \div 5 = 47$
 $= 15 - 8 + 20 \times 2 = 47$
 $= 15 - 8 + 20 \times 2 = 47$
 $= 7 + 40 = 47$
 $= 47 = 47$



If only II follows.

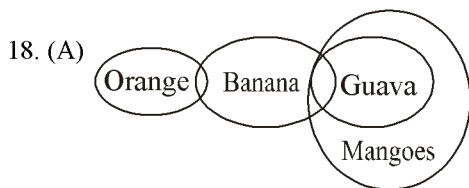


Rohit is cousin brother of vini.



B is either niece or repheuw of R.

17. (A) $48 + 39 \div 3 - 7 \times 5$
 $= 48 + 13 - 35$
 $= 61 - 35$
 $= 26$



If only conclusion I follows.

19. (B) $MAT = 43$
 $13+1+20 = 43$
 34 reverse 43
 $DEEPU = 15$
 $4+5+5+16+21=15$

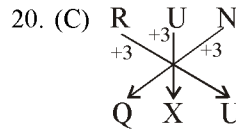
51 reverse 15

Similarly

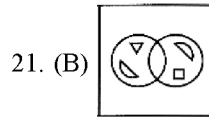
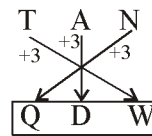
ANKIT = ?

$$1+14+11+9+20 = ?$$

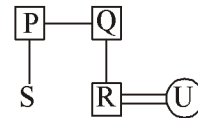
55 reverse 55



Similarly

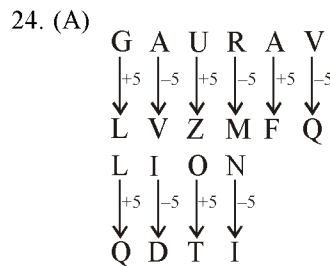


22. (A) U is sister-in-law of S.

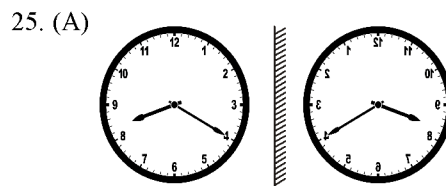
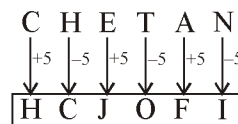


23. (A) Numbers which are be side number will never be on the opposite face to 3.

So, 4 is on the opposite to face of 3.



Similarly



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Moct Test

SOLUTION



1. (C)

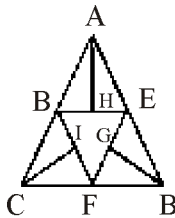
$$(A) \begin{array}{ccc} D & G & T \\ +3 & +3 & \\ \hline & & \end{array}$$

$$(B) \begin{array}{ccc} T & W & Z \\ +3 & +3 & \\ \hline & & \end{array}$$

$$(C) \begin{array}{ccc} P & S & V \\ +3 & +3 & \\ \hline & & \end{array}$$

$$(D) \begin{array}{ccc} S & V & X \\ +3 & +2 & \\ \hline & & \end{array}$$

2. (B)



There are 11 triangle in the given figures.

3. (D) DESIRE = 11

$$6 + (6 - 1) = 11$$

$$11 = 1$$

$$\text{SUCCEED} = 13$$

$$7 + (7 - 1) = 13$$

$$13 = 13$$

Similarly

$$\text{COMPATIBLE} = ?$$

$$10 + (10 - 1) = ?$$

$$19 = ?$$

Logic : number letter + (Number of letter - 1)

$$4. (C) \begin{array}{cccccccc} 98 & 95 & 86 & 82 & 66 & 61 & 36 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ -3 & -9 & -4 & -16 & -5 & -25 & \\ \hline & & & & & & \\ \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ 3 \times 3 & 4 \times 4 & 5 \times 5 & & & & \end{array}$$

5. (A)

1. A got marks more than B who got more than C.

$$A > B > C$$

2. D got marks more than C who got less marks than A.

$$A > C > D$$

3. E got less marks than C but more marks than F.

$$C > E > F$$

∴ Final arrangement-

$$A > B > C > D | E > E | D > F$$

6. (D)



1, 4, 2

7. (A) The opposite sides of the dice will be (5, %), (7, @) and (8, 9)

If in figure we see then, all of 3 different pairs while will be ture.

$$8. (D) \begin{array}{ccccccccc} B & E & H & K & N & Q & T \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ +3 & +3 & +3 & +3 & +3 & +3 & +3 \end{array}$$

9. (D) In statement it is said that drink milk is good for health where as in conclusion I it is said all healthy people drink milk which it not mentioned in the statement.

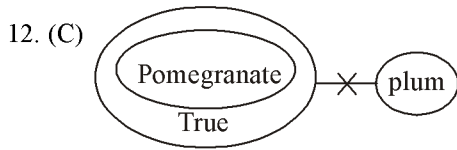
Conclusion II- In statement it is neither mentioned about the child about adult.

10. (A) The same figure figure-1 will be repeated after the changes will be done.

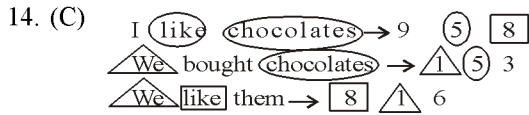
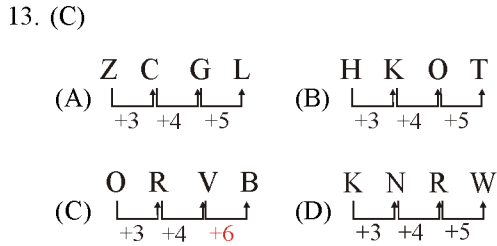
$$11. (A) \begin{array}{cccccc} O & B & E & S & I & T & Y \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ E & B & O & H & Y & T & I \\ \hline & & & & & & \\ \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ \text{Reverse} & & & & & & \end{array}$$

Similarly

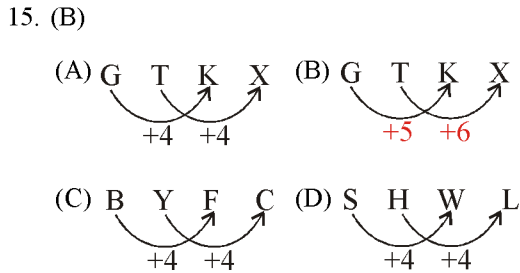
$$\begin{array}{cccccc} F & I & X & T & U & R & E \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ X & I & F & F & E & R & U \\ \hline & & & & & & \\ \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ \text{Reverse} & & & & & & \end{array}$$



All of the follow.



I bought them → 9 3 6



16. (A) Adding the place values of the letters.

U T K A R S H
 $21+20+11+1+18+19+8 = 98$
 $= 9 + 8 = 17$

C L A S S E S
 $3+12+1+19+19+5+19 = 78$
 $= 7 + 8 = 15$

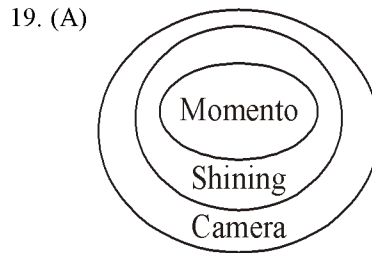
K E T A N
 $11+5+20+1+14 = 51$
 $= 5 + 1 = 6$

17. (B) P E N
 $16(\times 2) \quad 5(\times 2) \quad 14(\times 2) = 321028$
 T U B

$20(\times 2) \quad 21(\times 2) \quad 2(\times 2) = 40424$

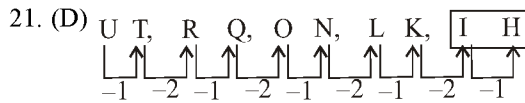
18. (B) Former is the square of later

$2809 : 53 :: 1024 : 32$

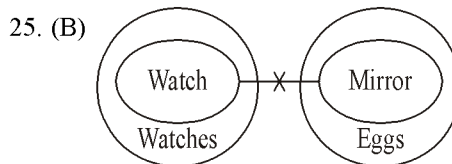
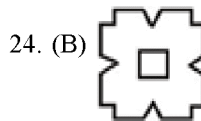
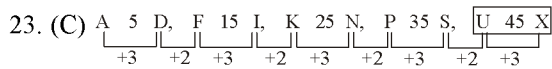


Only conclusion II and IV follows.

20. (A) As the rally is announced before so police should be information accordingly and the adequate police force should redeployed to see the pre-occasion of rally and they can avoid the traffic congesting by diverting the traffic a both the action should be taken.



22. (D) 64 is a square and cube other are not square and cube.



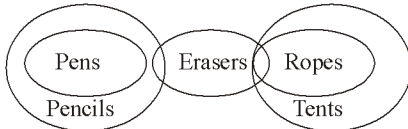
Only I, II and III follow.

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Mock Test

SOLUTION



1. (B)



Only IV follows

2. (B) In figure 1.

$$45 + 35 + 30 + 25 = 135/5 = 27$$

In figure 2.

$$20 + 40 + 30 + 60 = 150/5 = 30$$

In figure 3.

$$40 + 35 + 65 + 25 = 165/5 = 33$$

3. (D) $9 \rightarrow 9 \times 10 \rightarrow 90$

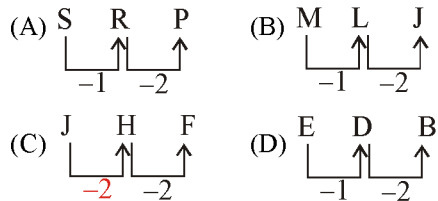
$$11 \rightarrow 11 \times 12 \rightarrow 132$$

$$6 \rightarrow 6 \times 7 \rightarrow 42$$

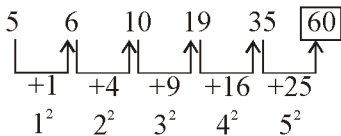
$$12 \rightarrow 12 \times 12 \rightarrow 144$$

$$12 \times 13 \rightarrow 156$$

4. (C)



5. (C)



6. (D) 1. R sits 2nd to the right of P.

P . R

2. Neither Q nor T sits to the left of R.

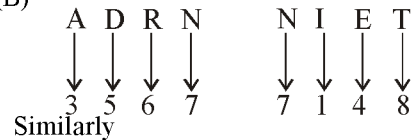
P . R

3. S sits 2nd to the left of Q.

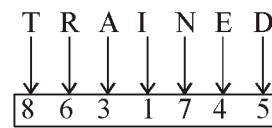
P S R Q T

Then person are sitting between P and T.

7. (B)



Similarly



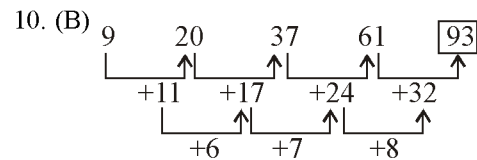
8. (A) First four and the last four letters are written in reverse order, so the code for RESPETCED is PSEREDECT.

9. (A) Statement 1:

A	B	C	E	E	A	F	D
4	5	7	2	3	6	7	4

Statement 2:

A	D	F	B	A	B	C	D
4	5	7	2	3	6	7	4

The code for 56 \rightarrow CF11. (D) $968 \div 11 \times 2 - 76 + 11 = 105$

$$88 \times 2 - 76 + 5 = 105$$

$$176 - 76 + 5 = 105$$

$$100 + 5 = 105$$

$$105 = 105$$

12. (D) A B BC D ABBC D ABB C DAB B C D

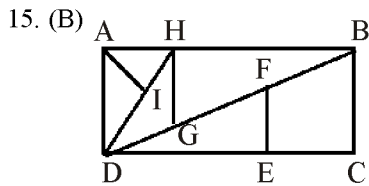
BDDCBC

13. (A)



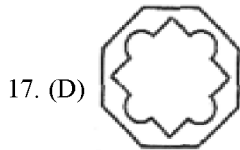
14. (C) M I R R O R
 $\downarrow +1 \downarrow +2 \downarrow +3 \downarrow +4 \downarrow +5 \downarrow +6$
 N K U V T X
 Similarly

W E L C O M E
 $\downarrow +1 \downarrow +2 \downarrow +3 \downarrow +4 \downarrow +5 \downarrow +6 \downarrow +7$
 X G O G T S L

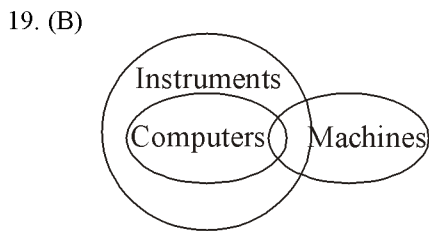


There are total 9 triangles in the figure.

16. (C) 0 1 5 14 30 55
 $\downarrow +1 \downarrow +4 \downarrow +9 \downarrow +16 \downarrow +25$
 $1^2 \quad 2^2 \quad 3^2 \quad 4^2 \quad 5^2$

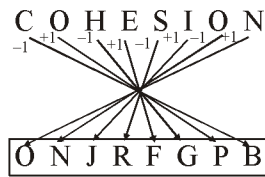


18. (C) $4 + 8 + 9 + 3 = 24 \div 4 = 6$
 $7 + 8 + 6 + 7 = 28 \div 4 = 7$
 $9 + 8 + 8 + 9 = 34 \div 4 = 8.5$
 $6 + 7 + 3 + 4 = 20 \div 4 = 5$



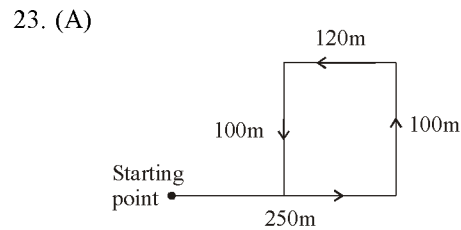
Only conclusion II follows.

20. (B) B A C H E L O R
 $\downarrow -1 \downarrow +1 \downarrow -1 \downarrow +1 \downarrow -1 \downarrow +1 \downarrow -1 \downarrow +1$
 S N M D I B B A
 Similarly

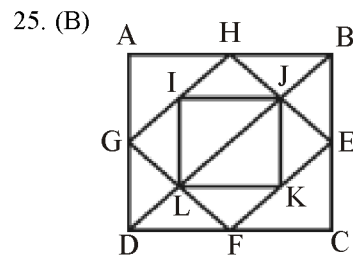
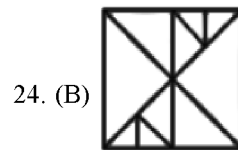


21. (A) 400, -200, 100, -50, 25, -12.5
 $\downarrow \div 2 \downarrow \div 2 \downarrow \div 2 \downarrow \div 2 \downarrow \div 2$

22. (A) 49 25
 $\downarrow 7^2 \downarrow 5^2 \rightarrow 7+5 = 12$
 16 25
 $\downarrow 4^2 \downarrow 5^2 \rightarrow 4+5 = 9$
 49 64
 $\downarrow 7^2 \downarrow 8^2 \rightarrow 7+8 = 15$
 16 36
 $\downarrow 4^2 \downarrow 6^2 \rightarrow 6+4 = 10$



$(250 - 120) \text{ m} = 130\text{m}$ towards east.



There are 16 triangle in the given figure.

50
Moct Test

SOLUTION



1. (B) 8 is written as T

6 is written as R

3 is written as A

1 is written as I

7 is written as N

4 is written as E

5 is written as D

So 8631745 is written as TRAINED.

2. (D) 1. R sits 2nd to the right of P.

P . R

2. Neither Q nor T sits to the left of R.

P . R

3. S sits 2nd to the left of Q.

P S R Q T

Three person are sitting between P and T.

3. (A) S P A R K L I N G
 ↙ ↘ ↙ ↘ ↙ ↘ ↙ ↘
 R A P S K G N I L

Similarly

P S E R E D E C T
 ↙ ↘ ↙ ↘ ↙ ↘ ↙ ↘
 R E S P E T C E D

4. (A) Statement I:

④⑤7② = ①③⑥

☆③△7④ = E①△F☆

Statement II:

△⑥③②④ = ☆①△F③

②④⑤③ = ☆①③⑥④

5. (C) 26, 22, 20, 16, 14
 ↘ ↘ ↘ ↘ ↘
 -4 -2 -4 -2

6. (D)



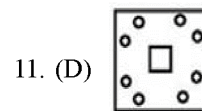
7. (B)



8. (B) 3.5, 7, 21, 84, 420, 2520
 ↗ ↗ ↗ ↗ ↗
 ×2 ×3 ×4 ×5 ×6

9. (A) 4, 7, 12, 20, 32, 49
 ↗ ↗ ↗ ↗ ↗
 +3 +5 +8 +12 +17
 ↘ ↘ ↘ ↘
 +2 +3 +4 +5

10. (A) 1024, 986, 948, 910, 872
 ↘ ↘ ↘ ↘
 -38 -38 -38 -38



12. (D) ac b d d b a cbdd b a c bddb
 bdabc

13. (D) P
 |
 Q — T — V
 |
 R — S

14. (C) 13, 27, 53, 107, 213, 427
 ↗ ↗ ↗ ↗ ↗
 ×2+1 ×2+1 ×2+1 ×2+1 ×2+1

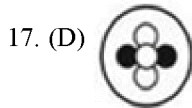
15. (A) A = 2, B = 4, C = 6

A C R
 ↓ ↓ ↓
 2 + 6 + 36 → 44

F A Q
 ↓ ↓ ↓
 12 + 6 + 34 → 48

16. (C) 35, 40, 50, 70, 110, 190

$\begin{array}{ccccccccc} & & \uparrow & & \uparrow & & \uparrow & & \uparrow & & \uparrow \\ & & +5 & & +10 & & +20 & & +40 & & +80 \\ & & \uparrow & & \uparrow & & \uparrow & & \uparrow & & \uparrow \\ & & \times 2 & & \times 2 & & \times 2 & & \times 2 & & \times 2 \end{array}$



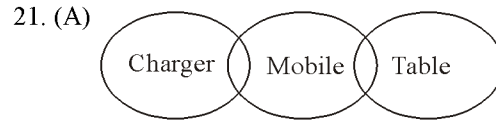
18. (B) (A) $\begin{array}{cc} N & M \\ \uparrow & \uparrow \\ \text{Reverse pair} \end{array}$ (B) $\begin{array}{cc} B & D \\ \uparrow & \uparrow \\ -2 \end{array}$

(C) $\begin{array}{cc} I & R \\ \uparrow & \uparrow \\ \text{Reverse pair} \end{array}$ (D) $\begin{array}{cc} P & K \\ \uparrow & \uparrow \\ \text{Reverse pair} \end{array}$

19. (B) $\begin{array}{ccccccc} & +0 & & +0 & & +0 & & +0 \\ & \downarrow & & \downarrow & & \downarrow & & \downarrow \\ BPCR & DPES & EPGT & HPIU & JPKV \\ \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ +1 & +1 & +1 & +1 & +1 \\ \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ +1 & +1 & +1 & +1 & +1 \end{array}$

20. (B) 2, 3, 9, 12, 30, 39, 93, 120

$\begin{array}{ccccccccccc} & & \uparrow & & \uparrow & & \uparrow & & \uparrow & & \uparrow \\ & & \times 1+1 & & \times 2+3 & & \times 1+3 & & \times 2+6 & & \times 1+9 \\ & & \uparrow & & \uparrow & & \uparrow & & \uparrow & & \uparrow \\ & & \times 2+15 & & \times 1+27 & & & & & & & \end{array}$



22. (B) $\begin{array}{cc} A & M \\ +1 & +1 \\ \swarrow & \searrow \\ A & B \end{array}$ $\begin{array}{cc} A & N \\ +2 & +2 \\ \swarrow & \searrow \\ P & C \end{array}$

Similarly

$\begin{array}{cc} G & U \\ +1 & +1 \\ \swarrow & \searrow \\ B & H \end{array}$ $\begin{array}{cc} A & R \\ +2 & +2 \\ \swarrow & \searrow \\ T & W \end{array}$

23. (C) A E I M O U Y C G K O S

$\begin{array}{ccccccccccc} & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ & +4 & +4 & +4 & +4 & +4 & +4 & +4 & +4 & +4 & +4 \end{array}$

24. (D) Melt : Liquid :: Freeze : Solid
 A liquid is in the melted form and anything which is frozen is in solid form.

25. (A) (12 : 144 : 1728)
 (12¹ : 12² : 12³)
 (4 : 16 : 64)
 (4¹ : 4² : 4³)

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