



Deepak Tirthyani

India's No. 1 Reasoning Teacher



SOLUTIONS **Mock Test (1 to 5)**

- ? 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.

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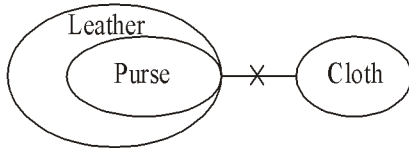
6 Mock Test

SOLUTION



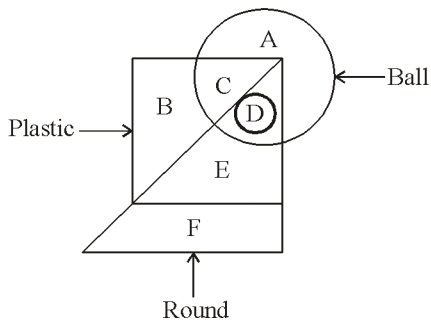
1. (A) Given series: 36, 100, 196, ?
The pattern is: 6^2 , 10^2 , 14^2 , 18^2
So, 324 is the missing term.

2. (D)



Only III follow.

3. (D) As, $5 \times (5 + 1) = 5 \times 6 = 30$
Similarly, $7 \times (7 + 1) = 7 \times 8 = 56$.
4. (C) Only the letters in "yVkJ" ends with a capital letter.
5. (D)



Thus the letter which represents round ball is D.

6. (C) The series will be,

$$3 \xrightarrow{+243} 246 \xrightarrow{-81} 165 \xrightarrow{+27} 192 \xrightarrow{-9} 183 \xrightarrow{+3} 186$$

7. (D) Pattern is:

$$\text{As, } (9+17)^2 = (26)^2 = 676$$

$$\text{Similarly, } (7+20)^2 = (27)^2 = 729$$

8. (A) Logic behind the number set-

$$(35, 46, 12)$$

$$(35-12) \times 2 = 23 \times 2 = 46$$

Similarly,

$$(22, 22, 11)$$

$$(22-11) \times 2 = 11 \times 2 = 22$$

9. (A) Number of words in MONKEY $\rightarrow 6$

$$(6 \times 6) \div 3 = 12$$

Number of words in HEN $\rightarrow 3$

$$(3 \times 3) \div 3 = 3$$

Similarly,

Number of words in TERMINALS $\rightarrow 9$

$$(9 \times 9) \div 3 = 27$$

So ? = 27

10. (C) First letter of series

$$E+2 = G, G+2 = I, I+2 = K, K+2 = M$$

Second letter of series

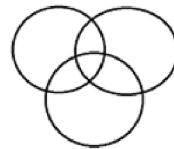
$$S-2 = Q, Q-2 = O, O-2 = M, M-2 = K$$

Third letter of series

$$O+1 = P, P+1 = Q, Q+1 = R, R+1 = S$$

So ? = KMR

11. (D) Here all the three words are mutual, the best representation is.



12. (B) $\theta = \frac{11}{2}M - 30H$

$$\theta = \frac{11}{2} \times 15 - 30 \times 5$$

$$\theta = \frac{165}{2} - 150$$

$$2\theta = 165 - 300$$

$$\theta = \frac{145}{2}$$

$$\theta = 67\frac{1}{2}^\circ$$

13. (D) This year days 366

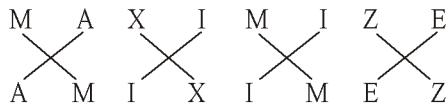
$$\text{so } \frac{366}{7} = 52 \text{ and 2 days odd.}$$

so 52 Wednesday and 1 Jan. - Monday = 2
 $2 + 2 = 4$ (1 Wednesday also)

$$52 + 1 = 53 \text{ Wednesday}$$

14. (B)
-

Similarly



15. (A) 2009 Calender same as 2003 Calender

$$2003 + 6 = 2009 \text{ (same odd day)}$$

16. (B)
- $15 + 9 = 24$

17. (D)
- $50 \div 2.5 = 20$

$$\text{Similarly, } 80 \div 2.5 = 32$$

Hence, option D is the right answer.

18. (B)
- $I \rightarrow \times$
- ,
- $You \rightarrow \div$
- ,
- $We \rightarrow -$
- ,
- $He \rightarrow +$

$$8 \text{ I } 12 \text{ He } 16 \text{ You } 2 \text{ We } 10$$

$$= 8 \times 12 + 16 \div 2 - 10$$

$$= 96 + 8 - 10 = 94$$

Therefore, the required answer is 94.

Hence, option B is the right answer.

19. (D)
- $6^2 = 36$
- ,
- $(6/2)^3 = 27$

$$\text{Likewise, } 14^2 = 196 \text{ and } (14/2)^3 = 343$$

20. (D)
-

Here we can see that the letter cluster in option

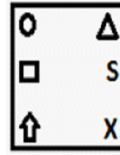
'D' doesn't follow the certain pattern

21. (B) The symbols moves in the below order –

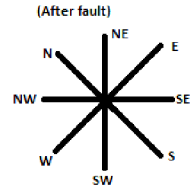
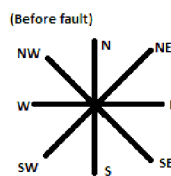


And also the element at the white circle position
 replaced by a new symbol in each step.

Hence, the next figure in the series will be –

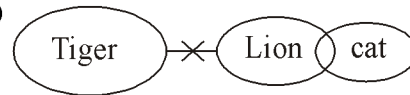


22. (C)



The directions are rotated by 45 degrees in the
 clockwise direction. East becomes South-east.
 Hence, he must read the South-East direction.

23. (A)



Some tiger can be cat.

(can't say + possibility) always true.

24. (B) The first and the fourth letter of the word is
-
- a vowel except 'PERU'.

25. (C) 9 : 10

26. (A) A.
- $82 - 49 = 33$
- (odd)

B. $37 - 17 = 20$ (even)

C. $50 - 26 = 24$ (even)

D. $101 - 65 = 36$ (even)

Clearly, except $(82 - 49)$, the difference in other
 cases is even number and so is odd one out.

27. (B)



28. (C) Except 177, all other are completely
-
- divisible by 7.

29. (C) As,

$$12 : 68$$

$$21 : 119$$

$$4 \times 3 = 12$$

$$7 \times 3 = 21$$

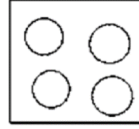
$$4 \times 17 = 68$$

$$7 \times 17 = 119$$

30. (D) Drama, sports, law, historian these are totally different, each related to the different profession.

No one is related to each other, so these represented by a different circle.

So, figure given in option D is the correct answer.





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7
Mock Test

SOLUTION



1. (D) 792 : 364

$$7 + 9 + 2 : 3 + 6 + 4$$

$$18 : 13 = 5 \text{ (diff.)}$$

$$623 : 231$$

$$6 + 2 + 3 : 2 + 3 + 1$$

$$11 : 6 = 5 \text{ (diff.)}$$

631 : 203

$$6 + 3 + 1 : 2 + 0 + 3$$

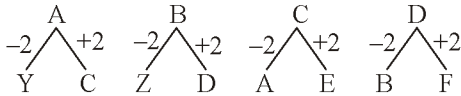
$$10 : 5 = 5 \text{ (diff.)}$$

$$923 : 816$$

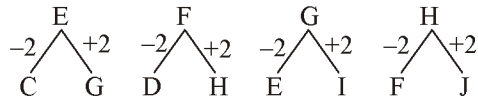
$$9 + 2 + 3 : 8 + 1 + 6$$

$$14 : 15 = 1 \text{ (diff.)}$$

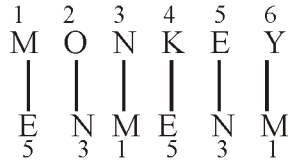
2. (D)



Similarly



3. (D)



Similarly



logic is 531531 (Repeation of odd position)

4. (A) 1331 : 9 : : 2744 : ?

$$(11)^3 : (11-2) : : (14)^3 : (14-2) = 12$$

5. (C) (9, 35, 16) = 3 + 4 = 7 × 5 = 35

$$3^2$$

$$4^2$$

Similarly

$$(36, 55, 25) = 6 + 5 = 11 + 7 = 55$$

$$6^2$$

$$5^2$$

6. (B) 3, 4, 10, 33, 136, **685**

$$\times 1+1 \quad \times 2+2 \quad \times 3+3 \quad \times 4+4 \quad \times 5+5$$

7. (B) $(5 \times 3) + (5 + 3)$

$$15 + 8 = 23$$

$$(4 \times 6) + (4 + 6) = 34$$

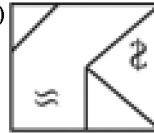
$$24 + 10 = 34$$

$$(4 \times 3) + (4 + 3) = 19$$

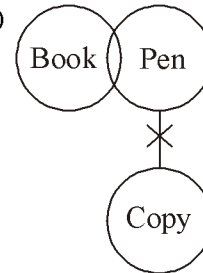
$$12 + 7 = 19$$

(logic - side multiply + side addition)

8. (B)



9. (C)



10. (A) ORANGE - 42

$$\text{Total Apphabats} = 6 \times 7 = 42 \quad [6 \times (6+1)]$$

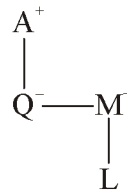
$$\text{PEN} = 12$$

$$\text{Total Alphas} = 3 \times 4 = 12 \quad [3 \times (3 + 1)]$$

Similarly

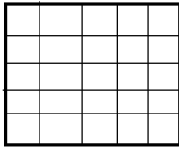
$$\text{LANGUAGE} = 8 \times 9 = 72 = [8 \times (8 + 1)]$$

11. (A) A + Q - M + L



Option (A) represent A is meternal grandfather of L.

12. (D)



$$5 \times 5 = 25$$

$$4 \times 4 = 16$$

$$3 \times 3 = 9$$

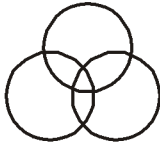
$$2 \times 2 = 4$$

$$1 \times 1 = 1 = 55$$

13. (A) Last sunday = 27 may

$$\rightarrow 27 + 7 + 7 + 7 + 7 + 7 = 24 \text{ June}$$

14. (A)



15. (B) D, J, O, S, V, X, Y

16. (A) Only II follows

$$17. (B) 7 \times 8 \div 3 + 6 - 4 = 17$$

$$7 \times 8 \div 4 + 6 - 3 = 17$$

$$7 \times \frac{8}{4} + 6 - 3 = 17$$

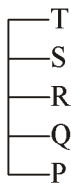
$$14 + 6 - 3 = 17$$

$$20 - 3 = 17$$

$$17 = 17$$

18. (C) HAIR (because R is not given the word)

19. (B)

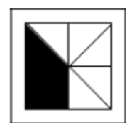


20. (C) 3 2 6

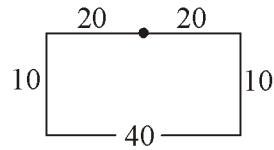
3 5 6

(Dice I and II compare and find 3 and 6 are common faces, so 2 is opposite 5)

21. (C)



22. (C)



40 meter they are far from each other.

23. (D) 8 : 50 - 20 minute

$$= 8 : 30 \text{ minute}$$

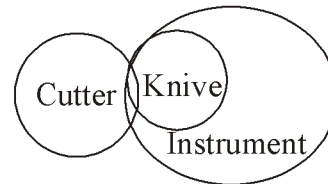
$$= 8 : 30 - 30 \text{ minute}$$

$$= 8 : 00 \text{ am}$$

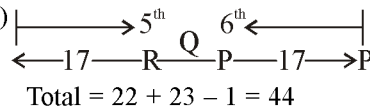
24. (A) cb a db c | cba d bc | c bad b c

acdc b

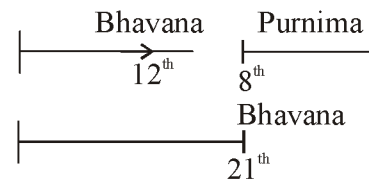
25. (D) Only I follow



26. (B)



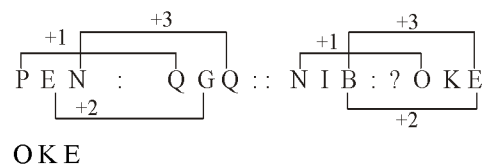
27. (B)



$$= 9 + 8 = 17^{\text{th}}$$

from right

28. (A)



O K E

29. (B) Light Pen

$$30. (B) (18 \div 9) + 9 \times 8 = 24$$

$$(18 + 9) \div 9 \times 8$$

$$\frac{27}{9} \times 8 = 24$$

$$3 \times 8 = 24$$

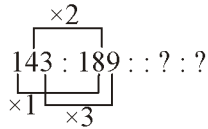
$$24 = 24$$

8
Mock Test

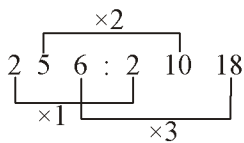
SOLUTION



1. (D)



Similarly



2. (D) (441, 15)

$$4 \times 4 - 1 = 15$$

(845, 26)

$$8 \times 4 - 6 = 26$$

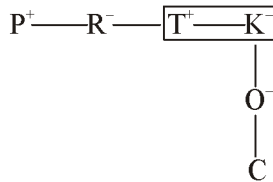
(632, 16)

$$6 \times 3 - 2 = 16$$

256 : 21018

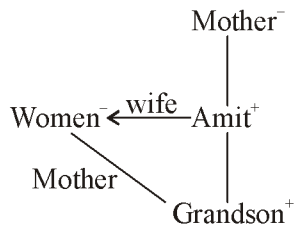
$$2 \times 5 - 6 = 21018$$

Not equale

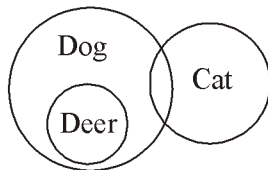
3. (C) $P + R \div T - K \times O \times C$ 

P is paternal uncle of 'O'.

4. (B) Wife

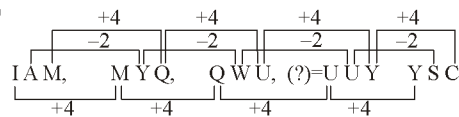


5. (A) Only III follow.

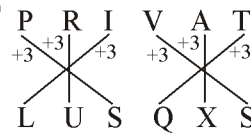


6. (A) Leg (become other three are internal body organ)

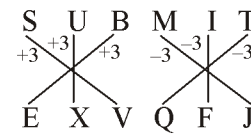
7. (C)



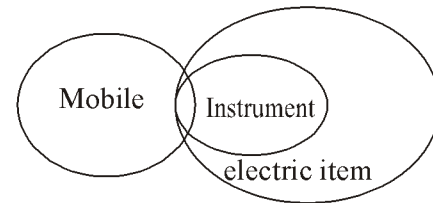
8. (C)



Similarly

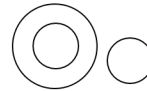


9. (A) only II follow



10. (D) Education odd because rest three options are professional

11. (C)



12. (C) 132-11, 551-23

$$(11 \times 12)$$

$$(23 \times 24 = \text{Not follow pattern})$$

$$306-17,$$

$$272-16$$

$$(17 \times 18)$$

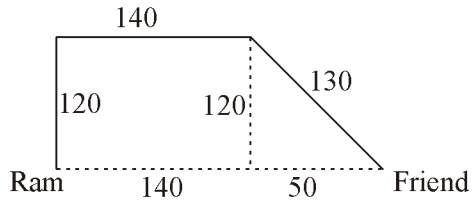
$$(16 \times 17)$$

13. (D)

She is **brave** - gab ri **bk**
brave and **smart** - **bk** **rp** **tl**
 Ronak is **smart** - tp gb **rp**

"tl" code for "and"

14. (C) 4 because 4 digit is the common.
 15. (C) 49 matches must be played to determine then winner.
 16. (B) 17 Jan. - 15 March
 60 days (normal year)
 17. (B)



The distance of friend's house from the starting point is 190 km.

18. (D) $5\frac{5}{11}$ min past 7
 $180 = \frac{11}{2} \times m - 30 \times 7$
 $180 = \frac{11}{2} \times m - 210$
 $30 = \frac{11}{2} \times m \quad \text{min} = \frac{60}{11} = 5\frac{5}{11}$
 $7:5\frac{5}{11}$

19. (C) PHONIC (N is not given the word)

20. (B) ab cba | abc ba | abcb a | abcb a
 cbaa

21. (D) $9, \frac{54}{\times}, 6$ $5, \frac{35}{\times}, 7$
 54 35

22. (C) Swim : River



23. (B)

24. (A) Some artists are creative persons.

25. (D) Only I follow.

26. (D) $5 \times 2 + 4 \times 3 = 22$

$$6 \times 7 + 1 \times 2 = 44$$

$$5 \times 2 + 8 \times 7 = 66$$

27. (A) A R B Q P

A is sitting left end.

28. (A) $D = B > K > A > C$

$$E > K$$

Only II follows.

29. (B)

30. (C) Inform

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9 Mock Test

SOLUTION

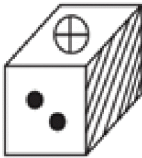


1. (A)

$4=2^2$	2	4	3	$=3^2=9$
$1=1^2$	1	1	2	$=2^2=4$
$9=3^2$	3	5	2	$=2^2=4$
14	14	?	17	$=17$

Similarly $-(4)^2 + (1)^2 + (5)^2$
 $16 + 1 + 25 = 42$

2. (D)



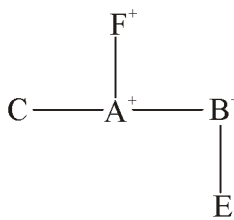
3. (C) 5 30 40 same as 8 72 88

$5 \times (5+1)$	$8 \times (8+1)$
$5 \times (5+3)$	$8 \times (8+3)$

4. (C)



5. (C)



Option (C) can not be definitely true.

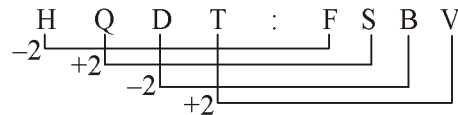
6. (B) 3, 5, 14, 2

7. (D) RELATION (E is not given the word)

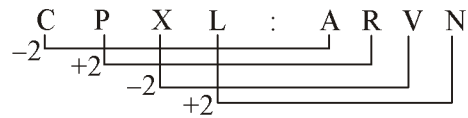
8. (A) 62

S	O	F	T	=	60	T	A	L	L	=	44	R	I	G	H	T	=	44
19	15	6	20	=	60	20	1	12	12			18	9	7	8	20		

9. (B) H : Q : D : T : F S B V :: CPXL : ?



Similarly



10. (D) 79, 16 = 7 + 9 = 16

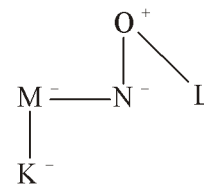
59, 14 = 5 + 9 = 14

37, 10 = 3 + 7 = 10

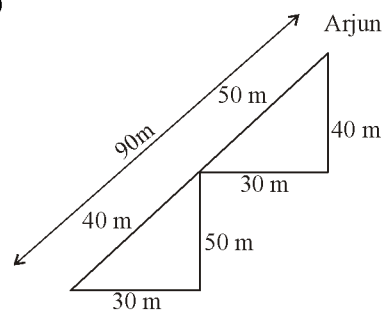
89, 18 = 8 + 9 = 17

11. (D) Niece

K4M9N405L



12. (B)



He 90 m for from intial point

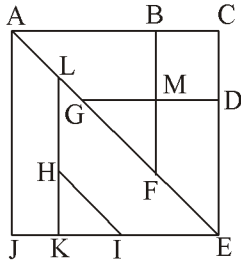
13. (C) 5 Jan. 2017

$$15 + 0 + 16 + 4 = \frac{35}{7} = 0$$

Remaining day **Sunday**

14. (B) Rain (Sky is colour - blue, because - blue is called rain)

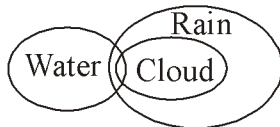
15. (D)



= $\Delta HKI, \Delta KLF, \Delta AJE, \Delta FGM, \Delta EGD, \Delta EAC, \Delta AFB$

Total Traingle is = 7

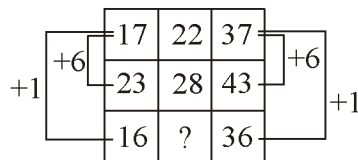
16. (A) Only III follow.



17. (C) 8, 27, 64, 125, 216, 343, 512
- $\begin{array}{ccccccc} 2^3 & 3^3 & 4^3 & 5^3 & 6^3 & 7^3 & 8^3 \end{array}$

Logic - cube

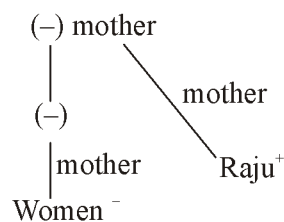
18. (C)



Similarly = $\begin{array}{ccc} & +1 & \\ +6 & & \\ 22 & 28 & ? \end{array}$? = 21

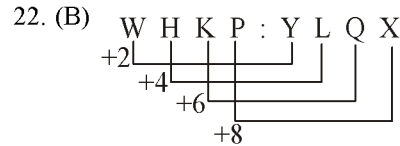
19. (C) 22 (144) 34 = 34 - 22 = 12, $(12)^2 = 144$
and 140 (225) 155 = 155 - 140 = 15, $(15)^2 = 225$
Similarly,
67(Z)90 = 90 - 67 = 23, $(23)^2 = 529$

20. (D) Grand daughter

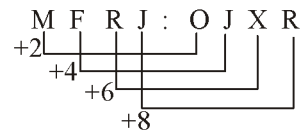


21. (D) $Q = 2A$, $A \rightarrow 40$ kg C is $\frac{1}{2}$ of $A = 20$ kg

Q weight = 80 kg S possible weight is = 10kg



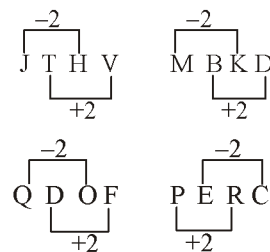
Similarly



23. (D) 937 : 19 :: 468 : ?

$9 + 3 + 7 = 19$ $4 + 6 + 8 = 18$

24. (C)



25. (D) 157

(other option are divisible except 157)

26. (A)
-

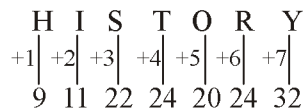
27. (D) $Q \equiv R^+ \equiv S^-$
 $P^+ \equiv T$

S is Aunt of T.

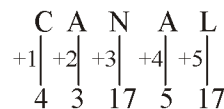
28. (A) $B > A > E > C > D$

B is tallest among them.

29. (C)



Similarly



$$30. (B) \quad 45(60)75, = 45 + 75 = \frac{120}{2} = 60$$

$$78(84)90, = 78 + 90 = \frac{168}{2} = 84$$

Similarly

$$49(C)63, = 49 + 63 = \frac{112}{2} = 56$$



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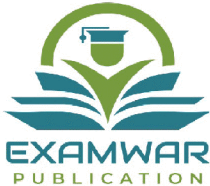
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10
Mock Test

SOLUTION



1. (D) 'Bird' is live 'Nest'
and 'King' is live 'Palace'

2. (D) $N - 28$ $V = 44$ $G = 14$
 $14 \times 2 = 28$ $22 \times 2 = 44$ $7 \times 2 = 14$

Similarly

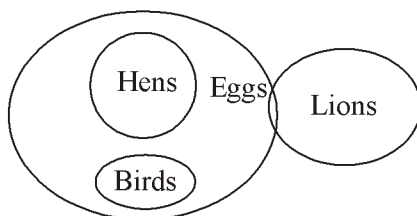
$$\begin{array}{ccccccccc} D & I & A & M & O & N & D \\ | & | & | & | & | & | & | \\ (4+9+1+ & 13+15+14+4) \times 2 \\ = 60 \times 2 = 120 \end{array}$$

3. (A) 19, 46, 100
 $\times 2+8$ $\times 2+8$

Similarly

$$\begin{array}{ccc} 13, & 34, & 76 \\ \times 2+8 & \times 2+8 & \\ 13 \times 2+8 & 34 \times 2+8 & \end{array}$$

4. (B) All conclusion follow



5. (C)

$$5 + 4 + 8 + 2 = 19$$

6. (C)

7. (A) $\begin{array}{cc} +9 & +2 & +2 & +2 \\ K & P & T, & U & F & W, & B & Y & D, & C & X & E \end{array}$

Other three are follow the same pattern except (A)

8. (C)

9. (A) 109, 114, 139
 $+5$ $+5^2$

Similarly

$$\begin{array}{ccc} 313 & 318 & 343 \\ +5 & +5^2 & \end{array}$$

10. (D) $242 = 2 + 2 = 4$
 $363 = 3 + 3 = 6$
 $484 = 4 + 4 = 8$
 $101 = 1 + 1 = 2$ (O is replaced by 2)

11. (C)

$$\text{Total boy in row} = 21 + 19 - 1 = 39$$

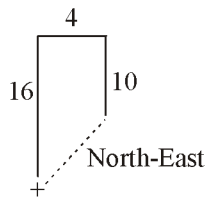
12. (C) Feeble is called Weak.
Gigantic is called Big.

13. (A) 39, 121, 245, 739, 1481, 4447
 $\times 3+4$ $\times 3+4$ $\times 3+4$ $\times 3+4$ $\times 3+4$

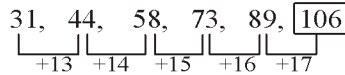
14. (B) $\begin{array}{cc} +2 & +2 & +2 & +2 \\ EV, & GT, & IR, & KP, & MN & ? = IR \\ -2 & -2 & -2 & -2 \end{array}$

15. (D)

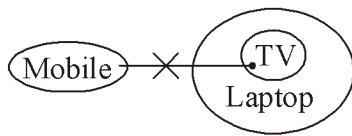
16. (B)



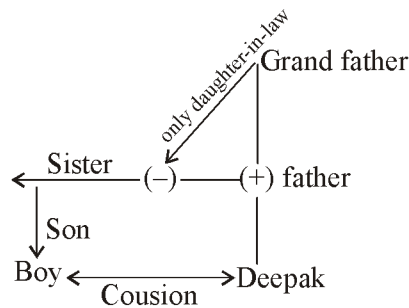
17. (B)



18. (D) Neither (I) Nor (II)

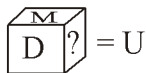


19. (D)



20. (C)

W S M
Opposite - D U Y



21. (C)

$$\begin{array}{ll} 4 & 1 & 7 & & 7 & 6 & 8 \\ 1+7 & = & 4 \times 2 & = & 8 & & 6+8=7 \times 2=14 \\ 5 & 3 & 7 & & 9 & 7 & 2 \\ 3+7 & = & 5 \times 2=10 & & 2+7 & = & (9 \times 1) = 9 \end{array}$$

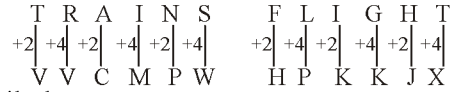
22. (C)

Odd number pair is - 3 -2
except (C) other option Ist digit smaller IInd digit.

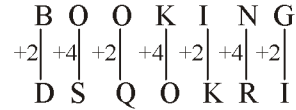
23. (C)



24. (D)



Similarly



25. (B)

$$\begin{aligned} 44 - 6 \div 4 + 171 \times 19 &= 29 \\ &= 44 - 6 \times 4 + 171 \div 19 = 29 \\ &= 44 - 24 + 9 = 29 \\ &= 20 + 9 = 29 \\ &= 29 = 29 \end{aligned}$$

26. (A)

$$\begin{aligned} 2123 - 161 \\ 2 + 1 + 2 + 3 &= 1 + 6 + 1 = 8 \\ 3217 - 148 \\ 3 + 2 + 1 + 7 &= 1 + 4 + 8 = 13 \\ 8123 - 293 \\ 8 + 1 + 2 + 3 &= 2 + 9 + 3 = 14 \\ 2687 - 672 \\ 2 + 6 + 8 + 7 &= 23, \quad 6 + 7 + 2 = 15 \end{aligned}$$

27. (A)

$$19 : 367 :: ? : ?$$

$$19 : (19^2 + 6)$$

Similarly

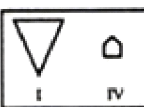
$$21 : 447$$

$$21 : (21)^2 + 6$$

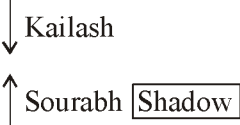
28. (A)



29. (A)



30. (A)



Kailash facing is South direction.