Deepak Tirthyani

India's No. 1 Reasoning Teacher

SOLUTIONS
Mock Test (41 to 45)

➤ 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

www.deepaksir.com

41 Moct Test

SOLUTION

1. (D)

P A R T I C U L A R

R A P U C I T R A S

Similarly

R E C R U I T E R S

C E R T I U R S R E

2. (B) P K R H : T G V D :: N U F L : R Q J H

+4, −4, +4, −4 (pattern) ... +4, −4, +4, −4

3. (D) 6291 : 21 :: 2413 : ?

Here 6 × 2 + 9 × 1 = 21

12 + 9 = 21

Same method applied to

2 × 4 + 1 × 3 = ?

8 + 3 = ?

? = 11

4. (D) Point O is 10 m south of point H.

```
      K ___6m___ M
          |
         5m
          |
  6m      |      L
G ___ B __6m__|
              |
             5m
              |
              O
```
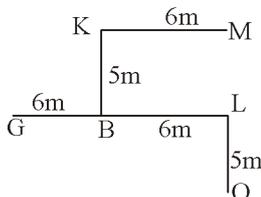
5. (D) If the data even in both statements I and II together are not sufficient to answer the question.

6. (D) 7 : 52 :: 9 : 84

7 × 7 = 49 + 3 = 52

9 × 9 = 81 + 3 = 84

7. (D)

2 5 13 27 48

+3 +8 +14 +21

+5 +6 +7

2 5 13 27 **57**

2×2 = 4 + 1 = 5

5×2 = 10 + 3 = 13

13×2 = 26 +1 = 27

27×2 = 54 + 3 = **57**

8. (B) l m n o o p p q l m n o o p p q l m n o o p p q n p l o m p

9. (A) G K N H : L Q U P :: E H Q C : J N X K

+5, +6, +7, +8 (pattern) ... +5, +6, +7, +8

10. (C) Adding the place values of the alphabets.

L O T

12 + 15 + 20 = 47

P L O T

16 + 12 + 15 + 20 = 63

11. (C) E L E C T I O N

42, 24, 42, 59, 33, 11, 58, 14.

The first digit represents the column number where as the second digit represents the row number.

12. (B) 6291 : 21 :: 2413 : ?

Here 6 × 2 + 9 × 1 = 21

12 + 9 = 21

Same method applied to

2 × 4 + 1 × 3 = ?

8 + 3 = ?

? = 11

13. (B)

14. (D)

15. (D)
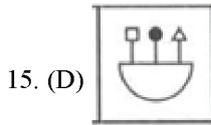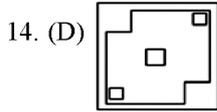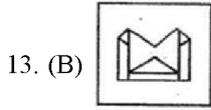
16. (D)

House	Profession
P - Red	Cooking
Q - Yellow/white	Banker
R - White/Yellow	Teacher
S - Blue	Lawyer

17. (A) S is the owner of blue house.

18. (B) Q is a banker.

19. (A)
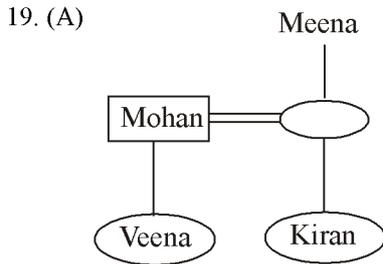
Kiran and Veena are sister

20. (C)

S Y S T E M
E Y S S T M

Similarly

L O A D E R
E O L A D R

21. (D) 116, 128,   146, 170, 200, [236]

+12 +18 +24 +30 +36

+6 +6   +6   +6
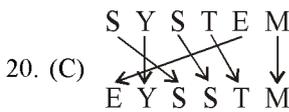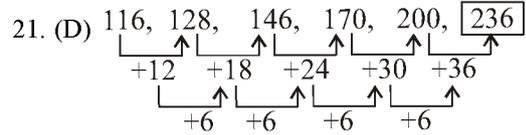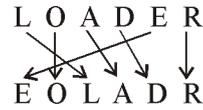
22. (A) The statements is talking about the importance of yoga from the ancient times. And conclusion I also talks about the importance of yoga. Where as conclusion II talks about the modern technology for fitness.

23. (B) R, C, T, E V, [G,] X, I

+2 +2 +2

+2 +2 +2

24. (A)

Fields   Gardens
Farm house
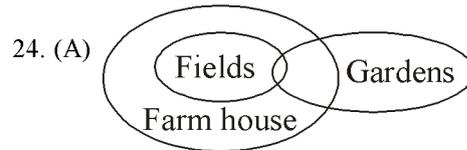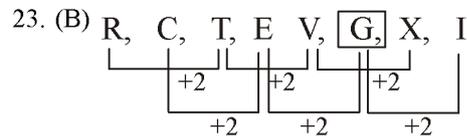
All the conclusions, I, II and III follow
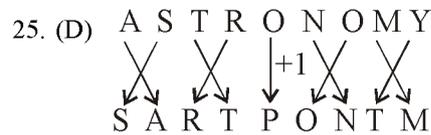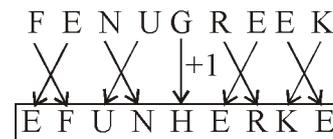
25. (D)

A S T R O N O M Y
+1
S A R T P O N T M

Similarly

F E N U G R E E K
+1
[E F U N H E R K E]

42 Moct Test

SOLUTION

1. (B)

H Y T D : J Z C L :: R C O P : [T U G X]
+8, +6, +4, +2
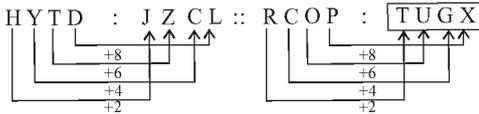
2. (B)

1. Lokesh is taller than Gagan but not shorter than Abhishek.

Lokesh > Abhishek / Gagan > Gagan / Abhishek.

2. Abhishek and Suresh are of same height

Lokesh > (Abhishek/Suresh) / Gagan > Gagan / Abhishek / Suresh

3. Lokesh is shorter than Lalit.

Lalit > Lokesh > Abhishek / Suresh > Gagan

or

Lalit > Lokesh > Gagan > Abhishek / Suresh.

3. (C)

R
|
Q═S⁺
|
P⁺
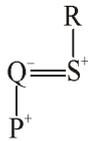
P is grandson of R.

4. (B) 242 only is one even number rest all are odd number.

5. (D)

D G J T W Z P S V [S V X]
+3 +3 +3 +3 +3 +3 +3 +2
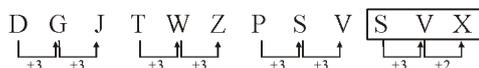
6. (C) 142 : 29 :: 156 : **92**

$$142 - 2 = \frac{140}{7} = 20$$

$7 = (9 - 2)$

Same as

156 : ?

$$156 - 2 = \frac{154}{7} = 22$$

$(9-2) = 7$

7. (B) Friend is [honest] → hu [lip] ma

[Honest] are (men) → lip (fi) kit

(men) never clever → (fi) ti gi

8. (A)

Flowers, Toys | Idiots | Angels
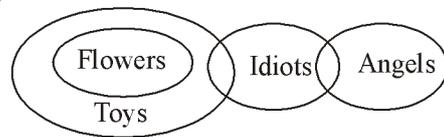
9. (D) The statement says company X wants to hire software engineer. So, concluction I will not follow as.

Statement says nothing about other qualification person.

Conclusion II will not follow as statement says company wants to hire software enginer this does not mean company X needs software engineers.

10. (A)
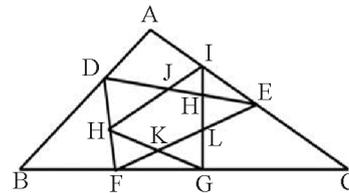
There are 18 triangles in the given figure.

11. (D) 12 : 576 :: 8 : 256

$12 \times 2 \to 24^2 \to 576$

$8 \times 2 \to 16^2 \to 256$

12. (C)

C U R I N G   T R A C E D
↓ ↓ ↓ ↓ ↓ ↓   ↓ ↓ ↓ ↓ ↓ ↓
X F I R H T   G I Z X V W
All Reverse   All Reverse

Simiarly

L A T E L Y
↓ ↓ ↓ ↓ ↓ ↓
[O Z G V O B]
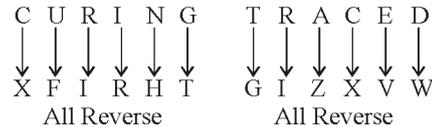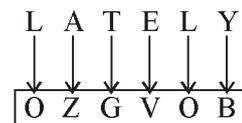
13. (B) $18 \div 2 + 10 - 5 \times 3$

$9 + 10 - 15$

$19 - 15 = 4$

14. (A)
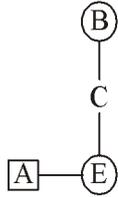
B is grandmother of A.

15. (B) $(5^3 - 3^2) + 1 \rightarrow 117$

$(125 - 9) + 1 \rightarrow 117$

$(4^3 - 2^2) \rightarrow 64 - 4 \rightarrow 60 + 1 \rightarrow 61$

$(9^3 - 7^2)\ 729 - 49 \rightarrow 680 + 1 \rightarrow 681$

16. (A)
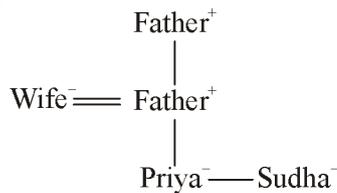
Sudha and Priya are sisters.

17. (E)

If neither course of action I nor II follows.

18. (D) $529 \div 23 - 10 + 5 \times 4$

$23 - 10 + 20$

$43 - 10 = 33$

19. (C) (25, 55, 132)

$25 \rightarrow 5 \times 5 \rightarrow 25 \times 2 \rightarrow 50 + 5 \rightarrow 55$

$132 \rightarrow \dfrac{132}{11} = 12$

(35, 77, 184.8)

$7 \times 5 \rightarrow 35 \times 2 \rightarrow 70 + 7 \rightarrow 77$

$184.8 \rightarrow \dfrac{184.8}{11} \rightarrow 16.8$

20. (B) $7 + 3 \times 5 - 35 \div 5 = 15$

$= 7 + 15 - 7 = 15$

$= 15 = 15$

21. (B)

If only conclusion II follows.

22. (D)
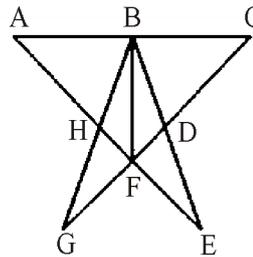
There are 15 triangles in the given figure.

23. (D)
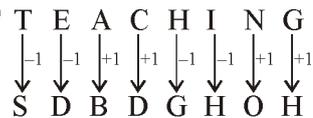
Similarly
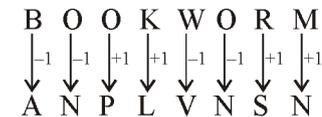
24. (B) $9 \times 0.5 = 4.5 + 1 = 5.5$

$5.5 \times 1 = 5.5 + 2 = 7.5$

$7.5 \times 2 = 15 + 4 = 19$

$19 \times 4 = 76 + 8 = 84$

$84 \times 8 = 672 + 16 = 688$

25. (E)
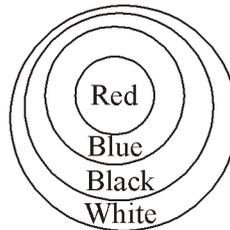
If both I and II follow.

43 Moct Test

SOLUTION

1. (A)
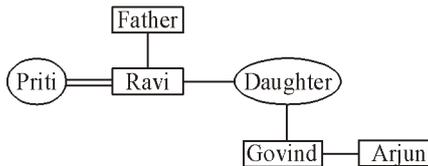
Ravi is maternal uncle of Arjun.

2. (C) $5 \times 6 \times 2 = 60$

$30 \times 2 = 60$

$6 \times 6 \times 3 = 108$

$54 \times 2 = 108$

3. (C)

4. (A)
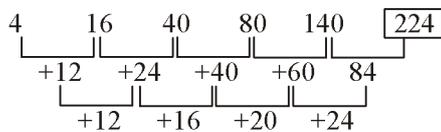
5. (A)
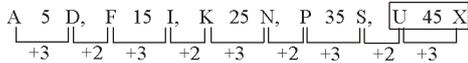
Adding the place value of the letters gives the number.

6. (D) 4, 152, 6

4, 6, $(1 + 5 + 2) = 8$

4, 6, 8 (same different)

Similarly

(2, 208, 6)

2, 6, $(2 + 0 + 8)$

2, 6, 10 (same different)

7. (B)
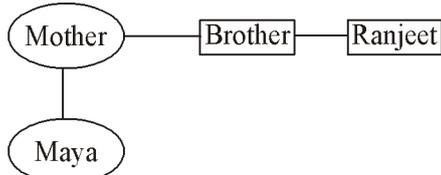
Ranjeet is Maya's maternal uncle.

8. (D) As the price of petrol diesel and LPG is rising again so the efforts should be made to find the couse for the price rise and the deficit should be controlled.
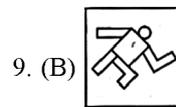
9. (B)

10. (C)
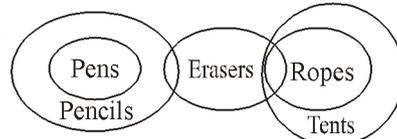
Only IV follow.

11. (A) PAITENT can not be formed from the word as there is single 'T' in the word. PERMANENTLY and PATIENT has double T.

12. (B) $26 \rightarrow 26^2 \rightarrow 676$

$24 \rightarrow 24^2 \rightarrow 567 \neq 576$

$22 \rightarrow 22^2 \rightarrow 484$

$28 \rightarrow 28^2 \rightarrow 784$

**13. (D)** $5 \times 4 \div 2 - 3 + 7$

$5 \times 2 - 3 + 7$

$10 - 3 + 7$

$7 - 3 = 14$

14. (D)
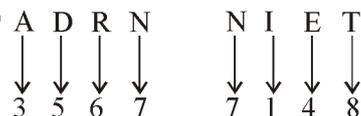
Similarly
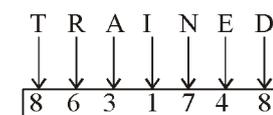
15. (B) 1. R sits 2nd to the right of P.

           R, P

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

           R, P

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

           R S P Q T

     Only one person is sitting between P and T.

16. (A)

     (A) G S V E (Reverse)   (B) L O P K (Reverse)(Reverse)

     (C) C X G T (Reverse)(Reverse)   (D) M N Q J (Reverse)(Reverse)

17. (D)

$$5 \quad 9 \quad 18 \quad 53 \quad 92 \quad 213 \quad 382 \quad \boxed{671}$$

$$+4 \quad +9 \quad +25 \quad +49 \quad +121 \quad +169 \quad +289$$
$$2^2 \quad 3^2 \quad 5^2 \quad 7^2 \quad 11^2 \quad 13^2 \quad 17^2$$

18. (B)
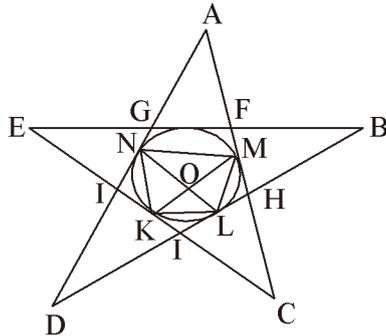
     There are 13 triangles in the given figure.

19. (C) $24 \times 2 + 13 - 54 \div 2$

     $= 48 + 13 - 27$

     $= 61 - 27$

     $= 34$

20. (C) 1 and 5 are same in the dice then, 2 and 4 are in the opposite face.

21. (B) 4, 10, 27, 140, 973

     $4 \times 2 + 2 = 10$

     $10 \times 3 = 30 - 3 = 27$

     $27 \times 5 = 135 + 5 = 140$

     $140 \times 7 = 980 - 7 = 973$

22. (D) Bag purse, and suitcase are all of same category where as carpet are used for home decoration.

23. (A) $M \to 13 \times 2 \to 26$

     $A \to 1 \times 1^2 \to 1$

     $S \to 19 \times 2 \to 38$

     $T \to 20 \times 2 \to 40$

     $E \to 5 \times 5 [5^2] \to 25$

     $R \to 18 \times 2 \to 36$

     and

     $G \to 7 \times 2 \to 14$

     $O \to (15^2) \to 225$

     $V \to 22 \times 2 \to 44$

     $I \to 9 \times 9 \to 81$

     $N \to 14 \times 2 \to 28$

     $D \to 4 \times 2 \to 8$

     Similarly

     $B \to 2 \times 2 \to 4$

     $A \to 1^2 \to 1$

     $C \to 3 \times 2 \to 6$

     $K \to 11 \times 2 \to 22$

     $S \to 19 \times 2 \to 38$

     $P \to 16 \times 2 \to 32$

     $A \to 1^2 \to 1$

     $C \to 3 \times 2 \to 6$

     $E \to 5^2 \to 25$

24. (B) ab <u>d</u> ba <u>c</u> | babd <u>b</u> a | cb <u>a</u> bdba <u>c</u> b

     dcbac

25. (C)

     P E R M U T A T I O N

     –7 –3 –7 –7 –3 –7 –3 –7 –3 –3 –7

     ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

     I B K F R M X M F L G

     Similarly

     P U B L I C S E C T O R

     –7 –3 –7 –7 –3 –7 –3 –7 –7 –3 –7

     ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

     I R U E F V L B V M L K

44 Moct Test

SOLUTION

1. (A) $(19 - 4) \rightarrow 15 \times 3 = 45$

    $(21 - 13) \rightarrow 8 \times 3 = 24$

2. (D)
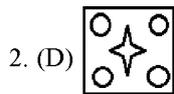
3. (C) Humans come under the class animals. Birds comes under the class anes.

4. (C)
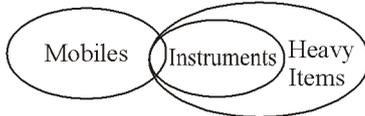
    Only I and III follow.

5. (A)

    Simiarly
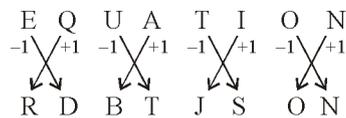
6. (C)
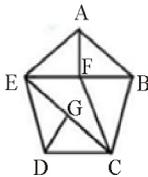
    There are 9 triangles in the given figure.

7. (A)
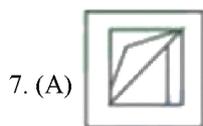
8. (A) 1st January 2018 to 31st December 2018

    = 365 days.

    i.e. 52 weeks and 1 odd days

    i.e. Monday.

9. (B) $14 \rightarrow 14 \times 2 \rightarrow 28 + 5 \rightarrow 33$

    $8 \rightarrow 8 \times 2 \rightarrow 16 + 5 \rightarrow \mathbf{21}\ 25$

    $5 \rightarrow 5 \times 2 \rightarrow 10 + 5 \rightarrow 15$

    $9 \rightarrow 9 \times 2 \rightarrow 18 + 5 \rightarrow 23$

10. (C)
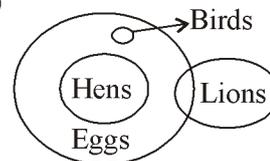
    Only I, II and III follow.

11. (A)
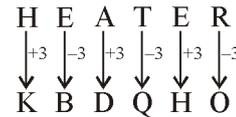
    Simiarly
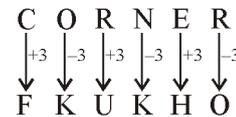
12. (D) (a) Collection   (e) Common

    (d) Completed   (b) Concept

    (c) Correct

    a, e, d, b, c

13. (C)
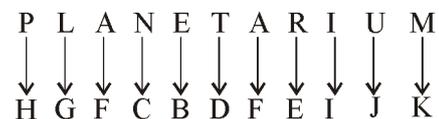
    Similarly

14. (C) S is wife of T.

P—R—T═S
　　　|　　|
　　　Q　　U

15. (D)
10　12　15
　└+2┘└+3┘

Simiarly

68　70　73
　└+2┘└+3┘
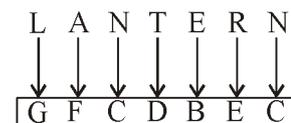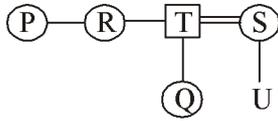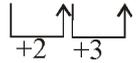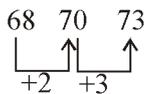
16. (D) COSMET cannot be formed from the word as S is not there in the word COMMENTATOR.

17. (B) ⧉DEPRIVE⧉ (mirror image)

18. (D) $(4)^2 + 3^2 + 2^2 + 2^2 \rightarrow 16 + 9 + 4 + 4 = 33$

$4^2 + 3^2 + 2^2 + 5^2 \rightarrow 16 + 9 + 4 + 25 = 54$

$6^2 + 2^2 + 5^2 + 4^2 \rightarrow 36 + 4 + 25 + 16 = 81$

19. (B)

Father
　|
Smita═Father═Son
　|
Daughter
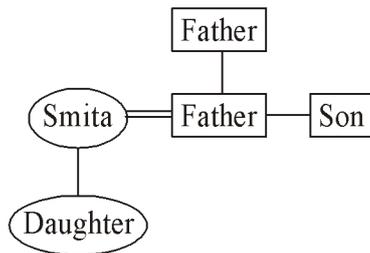
the man is brother-in-law of Smita.

20. (D)
L　I　K　E
↓　↓　↓　↓
89　55　57　04

21. (C)

A————B————C
|⧅|⧅|
|　H　|　I　|
F————E————D
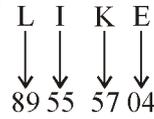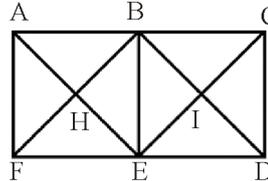
There are 18 triangles in the given figure.

22. (B) The people who cooks food in resturant are called as Chef.
Choreographer are the people who choregraph dancer's dance.

23. (A) (13, 40, 121)
$13 \times 3 \rightarrow 39 + 1 \rightarrow 40$
$13 \times 9 \rightarrow 117 + 4 \rightarrow 121$
(5, 16, 49)
$5 \times 3 \rightarrow 15 + 1 \rightarrow 16$
$5 \times 9 \rightarrow 45 + 4 \rightarrow 49$

24. (C) Mizoram and Manipur are two states of India.

25. (A)
5　　12　　31　　68　　129　　│220│
　└+7┘└+19┘└+37┘└+61┘└90┘
　　　└+12┘└+18┘└+24┘└+30┘
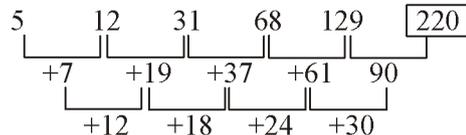
45 Moct Test

SOLUTION

1. (D) Parrots are birds whereas Snakes are reptiles.

2. (D)
J U S T I C E
J S U T C I E

Simiarly

J U P I T E R
J P U I E T R

3. (D) If we closely observe the both end position of the dice 5 and 6 both are common which means 4 and 9 are facing opposite to each other.

4. (A)

5. (C)

Chairs
Expensive
Unique
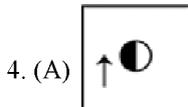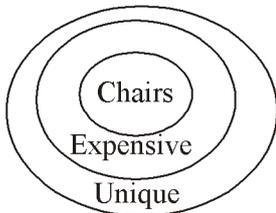
6. (A) 1, 5, 5, 25, **125**, 3125, 215

7. (B) Astronomer works in observatory similarly farmers works on fields.

8. (D)
H A M M E R
−1 +1 −1 +1 −1 +1
G B L N D S

Similarly

N E E D L E
−1 +1 −1 +1 −1 +1
M F D E K F

9. (A) 5. Nappy   2. Nation
1. Nested   4. Niger   3. Nippon
5, 2, 1, 4, 3

10. (D) 5. Official   1. Operate
3. Oracle   4. Otis   2. Oyster
51342

11. (A)
2 8 : 3 6
7×4   9×4

Similarly

6 3 : 7 2
7×7   9×8

Logic (Multiple, ×7, ×9)

12. (B)
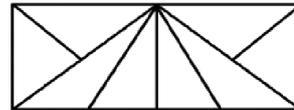
Total = 16

13. (B) First a person thinking than get an idea once gets an idea, planning how to excute the idea after excution recives the feedback.

14. (C) 3, 5, 11, 13, 17, 23 and 29 all are prime numbers but 21 is disible by 3 and 7.

15. (D) Some mothers are singers and teachers. Some singers and mothers and teachers. some teachers are mothers as well as singers.

16. (C) The sequence here follows here is middle term is squre of former number and last number is cube.

17. (D) 35, 99, 195, 323, 483
$35 + 1 = 36 = 6^2$
$99 + 1 = 100 = 10^2$
$195 + 1 = 196 = 14^2$
$323 + 1 = 324 = 18^2$
$489 + 1 = 484 = 22^2$

18. (A) 169, 144 and 196 are squares of 13, 12 and 14 respectively. 215 in not the square of any number.

19. (A)
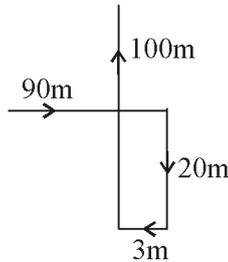
20. (A) $5 : 29 = 5^2 = 25 + 4 = 29$
 $8 : 62 = 8^2 = 64 - 2 = 62$
        $3 : 7 = 3^2 = 9 - 2 = 7$
        $6 : 34 = 6^2 = 36 - 2 = 34$

21. (D) Jurist is the person who is bound by law and talks about law. Similarly an orator is the person who speaks the speach.

22. (B)
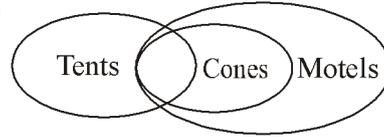
Only conclusion.

23. (C) We get SALT from sea and code for sea is water.

24. (C)

25. (A)
1. The bottles A has less price than the bottle B.
2. The bottle C has less price than the bottle D.
    D > C
3. The bottle B has less price than the bottle C.
    D > C > B > A
4. Bottle A has more price than bottle E.
If a customer wants to buy the bottle of maximum price than he/she has to buy bottle D.