Deepak Tirthyani

India's No. 1 Reasoning Teacher

SOLUTIONS
Mock Test (16 to 20)

➢ 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.

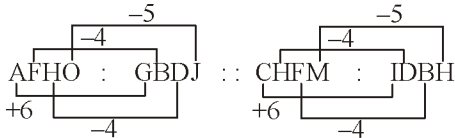➢ More than 1500+ videos on YouTube.

Reasoning in My Blood

Reasoning by Deepak sir

www.deepaksir.com

16 Moct Test   **SOLUTION**

1. (D)
AFHO : GBDJ :: CHFM : IDBH
(−5, −4, +6, −4 transformations shown)
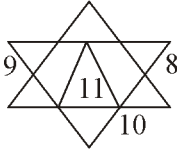
2. (D)   Wheat, Train, Proud are same
          Drive are odd one

3. (B)

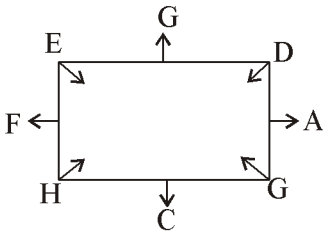
Single −8
Double − 2
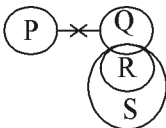Single − 1
Total = 11

4. (D)

A is sits immediate left of D.

5. (C)   9 : 21 : : 27 : [63]
          ×3−8   ×3−8
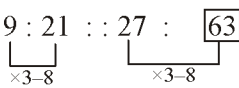
6. (D)
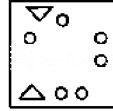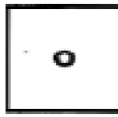

7. (C)

Both conclusion I and II follow.

8. (B)

9. (D)

(less are diagrame in every step)

10. (C)   65 = 13 × 5
          95 = 19 × 5
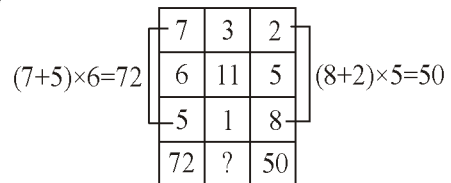   85 = 17 × 5
          75 = 5 × 3 × 5   it is divisible

11. (D)   4*9%2 = 47 = 49 − 2
          9*0%6 = 84 = 90−6
          5*3%7 = 46 = 53−7

12. (D)

$(7+5) \times 6 = 72$

7	3	2
6	11	5
5	1	8
72	?	50

$(8+2) \times 5 = 50$

Similarly (3 + 1) 11 = 4 × 11 = 44

13. (B)   Influenza : Virus : : Ringworm : ? = Fungi
          ∴ Virus is cause of influenza
          Same as fungi is caseu of ringworm.

14. (B)   M > N > O
                    ∨
                    P
                   ∧|
                    Q < V ≥ S
                        ∨
                        R

(I) M > Q (False)
(II) O < R (False)
Neither I nor II are follow.

15. (A) 1, 2, 3, 4, 5

16. (A) ac <u>d</u> | bd <u>f</u> | ce g | df <u>e</u> | egh

dfge

17. (B) 27 : 45

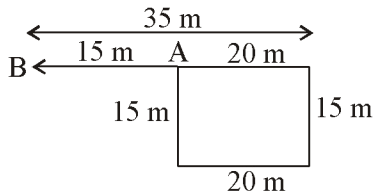$2 + 7 = 9 = \dfrac{45}{9} = 5$

Same as 25 : 21

$2 + 5 = 7 = \dfrac{21}{7} = 3$

(Other three options are not divisible)

18. (B) <u>a</u> abb <u>b</u> cc <u>c</u> cd <u>d</u> dd <u>d</u> c

abcdd

19. (A)

15 meter west

20. (B)   AS = 19   BAT = 40

1×19 = 19   2×1×20=40

Similarly

BREAD = ?

= 2 × 18 × 5 × 1 × 4 = 720

21. (B) Astronaut is odd (other three are same profession except Astronaut)

22. (A)

Same as

23. (D) 12pm _____4am

Time ducration = 16 hour

Given 24 hour = 15 min.

8 hour = 5 min

Then 16 hours = 10 min

Exact 4 : 10 am

24. (A) Faiyaz's birthday – 12th Apl - Wednesday

Shray Birthday - 2th Oct

Odd day - 18 + 3 + 2 + 3 + 3 + 2 + 2

$\dfrac{33}{7}$ = 5 odd day

Wednesday + 5 = Monday (Shray Birthday)

25. (A) 45%11=7   59%34=7

4+5–(1+1)=7   (5+9)–(3+4)=7

9–2=7   14–7=7

Same as

55%4=6

(5+5)–(4)=6

10–4=6

26. (D)

27. (B) 1, 3, 8 : 2, 45, : 6, 7, 9

28. (D)

29. (B) Either O° or 180° in a day

Both hands of a clock is 22 times.

30. (A) First day of 20th century is = 1900 +1st day

1900 + 1
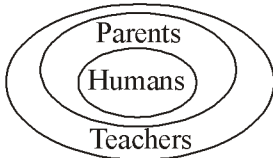
1 + 1 = 2 (Tuesday)

17 Moct Test

SOLUTION

1. (C) p p̲ qr r̲ r r̲ pqq q̲ qrp p̲

   prrqp

2. (C)

   The least possible venn diagram as follow

   Both conclusion are follow.

3. (C) 26P17O1N3M6N12

   $26 - 17 + 1 \times 3 \div 6 \times 12$

   $26 - 17 + \dfrac{3}{6} \times 12$

   $26 - 17 + 3 \times 2$

   $26 - 17 + 6 = 32 - 17 = 15$
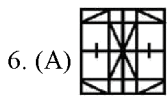
4. (A) 8 a 48   12 a 120   19 a A

   8(8–2)=48   12(12–2)=120   19(19–A)

   8×6=48   12 × 10 = 120   A =19 × 17

                                       A = 323

5. (D) Cheerful is related to 'Sad'.
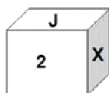
   Same as Generous is related to 'Kind'.

6. (A)

7. (A)   PICTURE = 19, 9, 3, 20, 21, 18, 5

           FUNCTION = 6, 21, 14, 3, 20, 9, 15, 14

8. (B) Cubes can be created by folding the given figure.

9. (A) 5, 12, [26] 54, 110

   ×2+2   ×2+2   ×2+2   ×2+2

10. (D) (11, 15, 346)

    $11^2 + 15^2 = 346$

    Similarly

    (25, 10, 725)

    $25^2 + 10^2 = 725$

11. (D) AU = 21   EGG = 245   BAKE = 110

    1×21 = 21   5×7×7=245   2×1×11×5=110

12. (C)

13. (B)   91 : 104 :: 61 : **184**

          13×7 : 13×8 :: 23×7 : 23×8
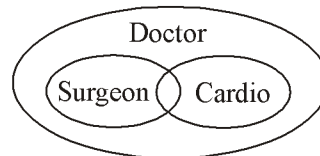
    Logic : fix number × 7 : fix number × 8

14. (A) Islad : Sea : : Dead land : ?

    Island is situated in sea.

    Same as deadland is situated in desert.
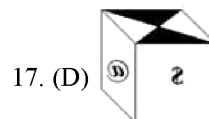
15. (B)

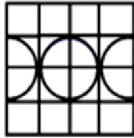   (Surgeon and cardio logist is a part of doctor profession)

16. (B) 4, 3, 5, 1

    Cable, Cachet, Canory Cancel, Candid

17. (D)

18. (A)

19. (D) Comferison III & IV dice

Red	**Violet**	Orange
Red	**Green**	Silver

Violet is opposite to green.

20. (D)

21. (B) 25431

Manage, Mango, Merged, Merger, Mobile.

22. (D) $(2, \overset{(2^3)}{33}, \overset{(5^3)}{5}) = (2^3 + 5^2 = 8 + 25 = 33)$

Same as → 4, 145, 9 → $(4^3 + 9^2 = 64+81=145)$

23. (A) 5, 14, 39, 112, 329, 978

    ×3–1 ×3–3 ×3–5 ×3–7 ×3–9

24. (B)

35 m(West)

25. (C)
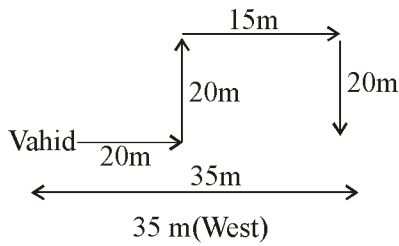
'K' is grand mother of 'J'.

26. (A)

Y	G	P	B	Q	U		I	Y	N	Y	Z	W
–2	+2	–2	+2	–2	+2		–2	+2	–2	+2	–2	+2
W	I	N	D	O	W		G	A	L	A	X	Y

27. (B) 34, 32, 35, 33, 36, 37 [37]

       +1   +1   +1

28. (A) $72 \div 9 - 3 + 2 \times 19 = 21$

Puting correct sign = $72 \div 9 - 3 \times 2 + 19 = 21$

$$\frac{72}{9} - 3 \times 2 + 19 = 21$$

$8 - 6 + 19 + 21$

$2 + 19 = 21$

$21 = 21$

29. (C)

30. (C) DJ : HT :: HM : [LW]
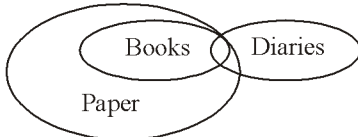
     +4   +4

    +10   +10

18 Moct Test

SOLUTION

1. (A)

I. All Diaries are paper (false because, this in formation is not given in statement)
II. Some paper are Diaries. (True related in formation given in statement).
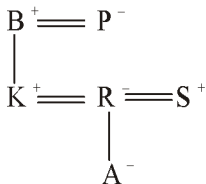   Hence only II conclusion are follow.

2. (A)   2, 12, 30, 56, [90]
         +10 +18 +26 +34
            +8   +8   +8

    Logic : double difference.

3. (B) 6, 24, 60, 120, [210,] 336
        +18 +36 +60 +90 +126
           +18 +24 +30 +36

    Logic : double difference.

4. (B)

B $^+$ ══ P $^-$
 |
K $^+$ ══ R ══ S $^+$
              |
              A $^-$

    'S' is brother-in-law of 'K'

5. (D)
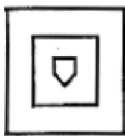
6. (B) bac $\underline{d}$ ca|b $\underline{a}$ cd $\underline{c}$ a |b ac $\underline{d}$ ca|
    dacbd

7. (A) Asia : Yangtze : : Africa : ?
    Asia's largest reiver is Yangtze.
    Same as Africa's largest river is Nile.

8. (B) 12 : 30 : : 104 : [260]
         ×2.5   ×2.5

    Logic multiply Ist digite 2.5 times and found IInd digit.

9. (D)
    S   A   W   A   N   V   I   P   I   N
   +2 +3 +4 +5 +6   +2 +3 +4 +5 +6
    U   D   A   F   T   X   L   T   N   T
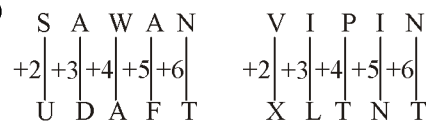
10. (C) Mantle [is odd one because other three option are related to sphere and mentle is related to "State of mind"]

11. (A) 41 – 23, 4 + 1 = 2 + 3 = 5
        72 – 45, 7 + 2 = 4 + 5 = 9
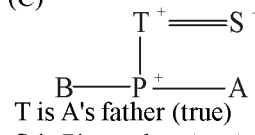   16 – 34, 1 + 6 = 3 + 4 = 7
        42 – 56, 4 + 2 = 5 + 6
        (this odd because digit sum is not equal)

12. (A) DE
    $\underline{D}$ A F B C $\underline{E}$
    D and E are respectively at the front and at the back of the row.

13. (C)

T $^+$ ══ S $^-$
 |
B ── P $^+$ ── A

    T is A's father (true)
    S is P's mother (true)
    P is S's son (true)
    A is T's son (false)
    (Because we can't have information about 'A' gender)

14. (B)
         +7   +7   +7
    B, 5, I, 12, P, 19, W, [26]
          +7   +7
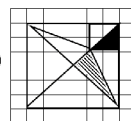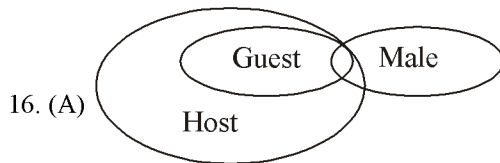   +7

15. (C)

Figure option (C) placed in the blank space of the question given would complete the pattern.
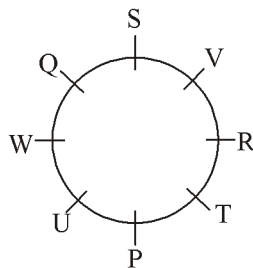
16. (A)

    I.   All Males are Host. (false because we don't have information about male and Host)

    II.   Some Host are Guest. (True because all guest are Host)

17. (C) Khasi language speaking in 'Maghalaya'.

      Same as

      Konkani language is speaking in 'Goa'.

18. (C) 3rd Date of month – Tuesday

      6th Date of month – 1st Friday

      3rd Friday of month – 20th date

      3rd days after the 3rd friday is 23rd date

19. (B)

      T sits 3rd to the right of W.

20. (A) $4^2 + 26 = 1626$

      $4 \times 2 \times 6 = 1626$

      $3^2 + 74 = 974$

      $3 \times 7 \times 4 = 974$

      $5^2 + 68$

      then $5 \times 6 \times 8 = 2568$

      logic first digit square and 2nd & 3rd digit same put

21. (B) I. All are friends in good times. (false)

      II. Enemies in bad times are not friends (false)

      (Both conclusion are wrong because no one conclusion information related to statement information)

22. (A) $15 : 25 : 24 : ? - 40$

      $15 \times \dfrac{2}{3} = 10 + 15 = 25$

      Same as

      $24 \times \dfrac{2}{3} = 16 + 24 = 40$

23. (C) 12 times - 44 sec.

      1st time - 0 sec.

      11 times - 44 sec.

      1 time - $\dfrac{44}{11} = 4$ sec.

      8 times - ?

      1 time - 0 sec.
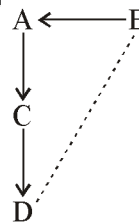
      7 times - $7 \times 4 = 28$ sec.

24. (D) MR – 5, – R – M = 18 – 13 = 5

      GT – 13, – T – G = 20 – 7 = 13

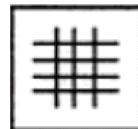   UG – 14, – U – G = 21 – 7 = 14

      NA – 15, – N + A = 14 + 1 = 15

25. (D)

      ['D' is south west direction of 'B']

26. (C)

      [Option (C) is odd one because "Horizontal line") is more than perpandicular line.]

27. (C)

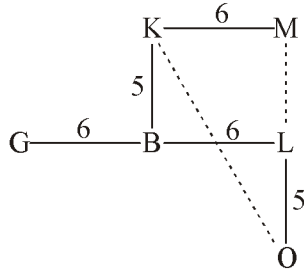   Total cubes in 1 side (N) = $\dfrac{\text{Side of capital cube}}{\text{side of small cube}}$

      $N = \dfrac{16}{2} = 8$

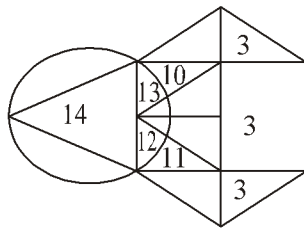   Formula for only 2 faces coloured with Black colour. = **[Side × (N – 2)]**

      $= 12 \times (8 – 2)$

$= 12 \times 6 = $ **72**

28. (D)

K —6— M
|5
G —6— B —6— L
                    |5
                    O

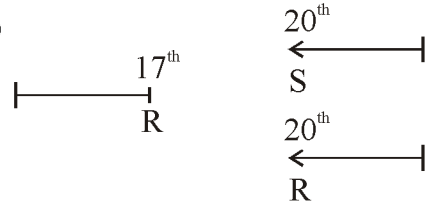(dotted lines K to O)

29. (B)

Single – 4
Double – 3 + 3 + 3 = 9
Large = 1
Total triangle = 4 + 9 + 1 = 14

30. (D)

20th
17th
S
R
20th
R

After change position R is becom 20th right. So we have no proper information. So cannot be determined.

19 Moct Test

SOLUTION

1. (D)

2. (C)

Total cubes = 6 × 6 × 4
= 36 × 4 = 144

3. (C)

4 + 4 + 3 + 3 + 4 + 3 + 6
= 8 + 6 + 7 + 6 = 27
Total triangle = 27

4. (B)

Brother-in-law
+ ← Mother

Daughter   Rita's friend
The girls is cousin of Rita's friend.

5. (B)

```
        ┌──── −4 ────┐
      ┌─ +4 ─┐
P  K  R  H   :   T  G  V  D
```

Same as

```
        ┌──── −4 ────┐
      ┌─ +4 ─┐
N  U  F  L   :   R  Q  J  H
                +4
              −4
```
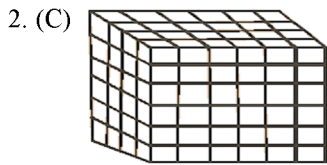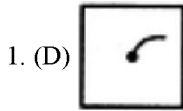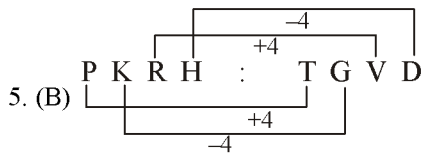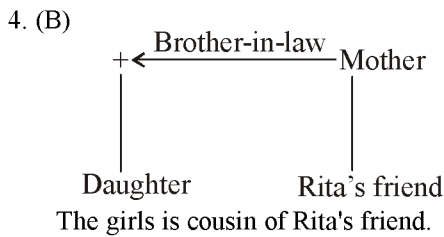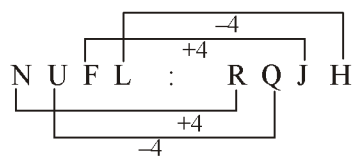
6. (B) E > A > B > C > D
           |91 |73
E scored the maximum marks (True)

7. (B)   49 : 56 : : 81 : ?

49   :   56
  └── +7 ──┘

same as

81   :   ? = 88
  └── +7 ──┘

logic = odd 7
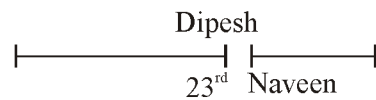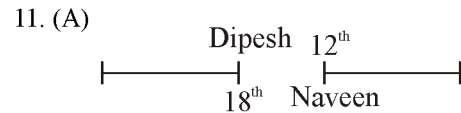
8. (B)   P Q RR Q RPP R P Q Q P Q
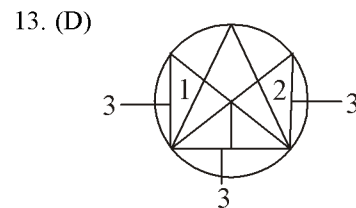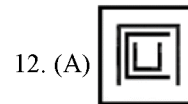(QQRQP) complete the series.

9. (C) $(4 + 1)^4 - 14 = 611$
$(5 + 1)^4 - 14 = $ **1282**

10. (D) 2 4 8   3 2 6   4 1 4   3 9 2
        2×4=8   3×2=6   4×1=4   3×9=27
[Other three options are follows same pattern except option (D)]

11. (A)

```
         Dipesh  12th
  ├──────────┤        ├────────┤
       18th    Naveen
```

```
           Dipesh
  ├──────────┤├────────┤
        23rd   Naveen
```

Total person in row = Dipesh new position +
Naveen's Position = 23 + 12 = 35

12. (A)

13. (D)

Single - 2
Double – 9
Large – 5
Total = 16
3 + 3 + 3 + 2 + 5 = 16 (16 is not given in option)

14. (C)
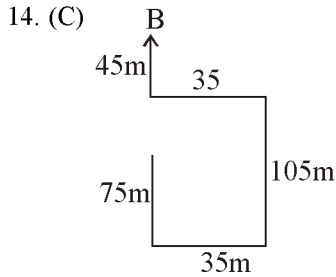
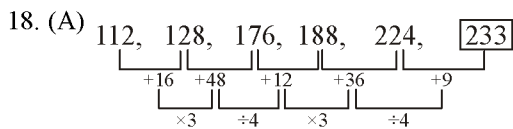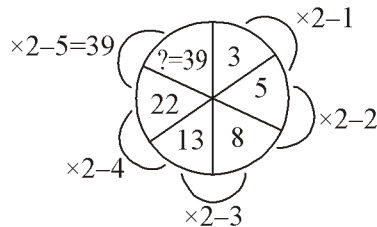75 miles south 'A' with respect 'B'.

15. (D) 1, 2, 5; 3, 6, 8; 4, 7

16. (A) Assumptions
I. Barking dogs bite rarely. (false because statement have not related information)
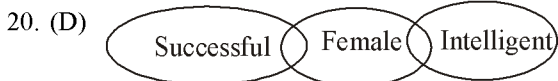II. Our dogs could be dangerous for intruders. (True they are trained to intruders.)

17. (B)

18. (A)

$$112, \quad 128, \quad 176, \quad 188, \quad 224, \quad \boxed{233}$$

+16 +48 +12 +36 +9
×3   ÷4   ×3   ÷4

19. (C) B E E P = 784
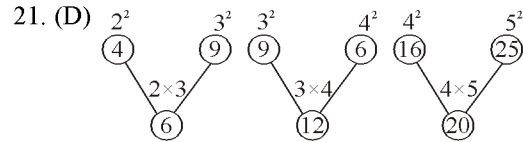2 + 5 + 5 + 16 = (28)² = 784
Similarly
APP = ? = 1089
1+16+16 = (33)² = 1089

20. (D)

I. Some success is intelligent
(false no direct relation given)

II. Some female is not success.
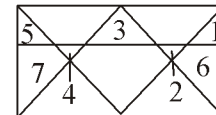[(false) Negative conclusion is not follow.]

21. (D)

22. (C) 48 + 42 = 18   90 + 74 = 48
Diff.×3   Diff.16×3 = 48
Same as
91 + 53 = ?
Diff.×3 = 114

23. (C) (4, 17, 9)   same as   (5, 15, 5)
2×4+9 = 17   (5×2+5=15)

24. (B)

Single = 5
Double = 2
Triple = 4
Large = 2
Total = 13

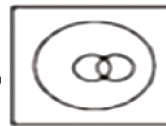25. (C) Argument – I. (True because is argument is related to question)
Argument II. (True because it is solid argument related to question)
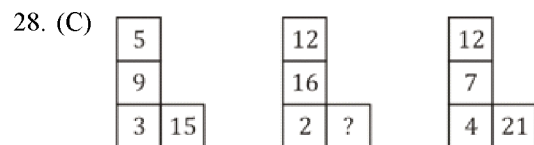(Both Argument I & II given)

26. (C) Plant : Tree : : Girl : ?
Plant becomes Tree
Girl becomes Women

27. (B)

28. (C)

5×9=3×15   12×16=2×?   12×7=4×21
192 = 2 × 96

29. (C) 15th Jan. 2018 – Monday.

     15th Jan 2024 – Calendendar repeat

     Diffe. 6 years, (One year leap year)

30. (A) 27 May – Sunday.

3 June – Sunday

10 June – Sunday

17 June – Sunday

Last Sunday of month = 24th date.

20 Moct Test   # SOLUTION

1. (D) Rakesh > Mukesh > Suresh

   Amar > Rakesh > Harish

   Cannot be determined.

2. (C) In the following diagram

2	9	11	7

   [2+9=11 (third term) and 9–2=7 (forth term)]

7	?	10	–4

   [7+3=10 (third term) and 3–7=–4 (forth term)]

6	4	10	?

   [6+4=10 (third term) and 4–6=–2 (forth term)]

3. (A)

   ```
   C   L   U   B   S     F   A   S   T   E   R
   |   |   |   |   |     |   |   |   |   |   |
   8   1   6   4   9     0   3   9   2   7   5
   ```

   (We put common value)

   ```
   B   L   A   S   T
   |   |   |   |   |
   4   1   3   9   2
   ```
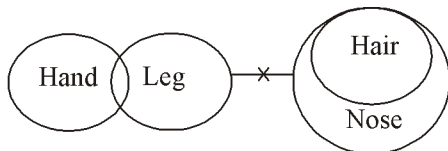
4. (C) $(17, 8, 81) = 17 – 8 = (9)^2 = 81$

   Same as

   $(21, 19, 4) = 21 – 19 = (2)^2 = 4$

5. (D) P N̲ PNN K̲ | PN P N̲ N̲ K | PN P̲ NNK|
   NKPNP

6. (C)

   Both I and II conclusion one follow and III is wrong.

7. (B)

   ```
        +3 +1 +1 +3 +1
        H  O  U  S  E
   ```

   ```
        F  V  V  P  K
   ```

8. (C)

   ```
        +1 +3 +1 +1 +3
        O  C  E  A  N
   ```

   ```
        Q  B  F  F  P
   ```

   Logic : Vowel → +1

        Consonent → +3

   CEHM, FHKP, FHKP, IKNS, LNQV OQTY
     +3   +3   +3   +3   +3

9. (D) 4835 : 12 :: 7163 : 3 :: 8957 : ?

   (8 + 3 + 5) – 4 = 12

   (1 + 6 + 3) – 7 = 3

   (9 + 5 + 7) – 8 = **13**

10. (B)

   Only two triangle are possible = 2

11. (D) 22 ÷ 1426 + 46 – 14 ×10

   22 × 1426 ÷ 46 + 14 – 10

   $22 \times \dfrac{1426}{46} + 14 – 10$

   22 × 31 + 4

   682 + 4 = 686

12. (A)

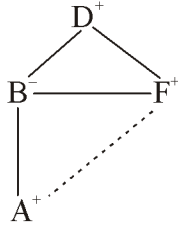   **Logic :** Opposite alphabates.

13. (C)

   Richa is aunt of the boy.

14. (D) 2 3 5,   7 1 8   6 3 9   5 8 8
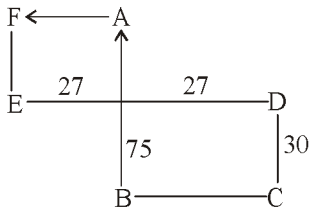   2+3=5 7+1=8 6+3=9 5+8=13
    It is wrong one.

15. (D) "Garbha" is folk dance of "Gujrat".
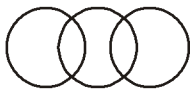   "Dumhal" is folk Dance of "Jammu & Kashmir".

16. (A)

    A's is nephew of F

17. (A)
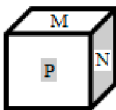   27 m west F point Situated from A point.

18. (A)

    Every step odd + 12

19. (C) P > Q > R > S
    L > R > S
    Second shortest person is "R".

20. (A) Shoes and belt both are made by leather

21. (B)

    M N P
    Q R O

22. (C) ARUN = 54,   1 + 18 + 21 + 14 = 54
    VARUN = 76,   22+1+18+21+14=76

23. (A) Today is Wednesday
    after 2020 days.

    $\dfrac{2020}{7}$ = 4 odd day

    Wednesday is coded −3

    then − 3 + 4 = $\dfrac{7}{7}$ =0

    2020 days after day is sunday.

24. (A) Argument II is strong compar to I
    So only II Argument is follow.

25. (C) If South become south west.
    then Nourth also become North east.
    Nourth – Nourth East.

26. (B) According to statement I Assumption is fol-
    low. and II Assumption not define the sense of
    statement. So only I follow.

27. (B) According toe question only Ist course of
    Action is related and IInd course of Action is not
    related. so only Ist follow.

28. (D) 5, 3, 4, 2, 1
    Cabbalettas, Cabalism, Eabalist, Cabell,
    Cabezon.

29. (A)

    P is maternal uncle of V.

30. (D) Only conclusion I follow.
    (because conclusion I Relate the given informa-
    tion of statement)