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(1) ab __ d __ aaba __ na _ badna _ b

[A] andaa

[B] babda

[C] badna

[D] dbanb

Answer : [A]

Explanation:
The series is ab<u>ad</u>na/aba<u>dn</u>a/<u>a</u>badna/<u>ab</u>. Thus, the pattern 'abadna' is repeated.

(2) Arrange the words given below in a meaningful sequence.
  1. Puberty   2. Adulthood   3. Childhood
  4. Infancy   5. Senescence   6. Adolescence

[A] 2, 4, 6, 3, 1, 5

[B] 4, 3, 1, 6, 2, 5
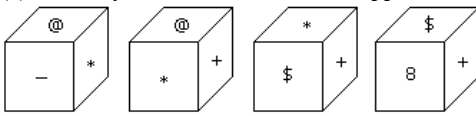
[C] 4, 3, 6, 2, 1, 5

[D] 5, 6, 2, 3, 4, 1

Answer : [B]

(3) Which symbol will be on the face opposite to the face with symbol * ?
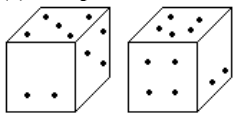

[A] @

[B] $

[C] 8

[D] +

Answer : [C]

Explanation: The symbols of the adjacent faces to the face with symbol * are @, -, + and $. Hence the required symbol is 8.

(4) Two positions of a dice are shown below. When 3 points are at the bottom, how many points will be at the top?

[A] 2

[B] 5

[C] 4

[D] 6

Answer : [C]

Explanation: According to the rule (2) when 3 points are at the bottom then 4 points will be at the top.

(5) Statements:

I. Large number of Primary Schools in the rural areas is run by only one teacher.

II. There has been a huge dropout from the primary schools in rural areas.

[A] Statement I is the cause and statement II is its effect.

[B] Statement II is the cause and statement I is its effect.

[C] Both the statements I and II are independent causes.

[D] Both the statements I and II are effects of independent causes.

[E] Both the statements I and II are effects of some common cause.

Answer : [A]

Explanation: Since large numbers of primary schools in the rural areas are run by only one teacher so there has been a huge dropout from the Primary Schools in rural areas.

(6) Statements:

I. Police authority has recently increased vigil during the evening hours in the locality.

II. There has been considerable reduction in the incidents of petty crimes in the locality.

[A] Statement I is the cause and statement II is its effect.

[B] Statement II is the cause and statement I is its effect.

[C] Both the statements I and II are independent causes.

[D] Both the statements I and II are effects of independent causes.

[E] Both the statements I and II are effects of some common cause.

Answer : [A]

Explanation: Since police authority has recently increased vigil during the evening hours in the locality therefore, the petty crimes have reduced considerably.

(7) A song always has

[A] Word

[B] Chorus

[C] Musician

[D] Tymbal

Answer : [A]

(8) Controversy always involves

[A] Dislike

[B] Injustice

[C] Disagreement

[D] Passion

Answer : [C]

(9) Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?

[A] Brother

[B] Nephew

[C] Uncle

[D] Son-in-law

Answer : [A]

Explanation: The father of the boy's uncle → the grandfather of the boy and daughter of the grandfather → sister of father.

(10) A is the son of C; C and Q are sisters; Z is the mother of Q and P is the son of Z. Which of the following statements is true?

[A] P and A are cousins

[B] P is the maternal uncle of A

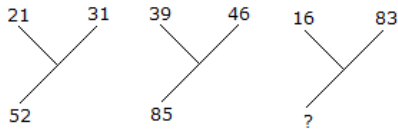[C] Q is the maternal grandfather of A

[D] C and P are sisters

Answer : [B]

Explanation:
C and Q are sisters and A is the son of C. Hence, C is the mother of A or Z is the mother Q.
Hence, Z is the maternal grandmother of A. P is the son of Z. Hence, P is the maternal uncle of A.

(11) Which one will replace the question mark ?

```
21      31      39      46      16      83
  \    /          \    /          \    /
   52              85              ?
```

[A] 92

[B] 72

[C] 62

[D] 99

Answer : [D]

Explanation:
21 + 31 = **52**
and 39 + 46 = **85**
Therefore, 16 + 83 = **99**.

(12) Which one will replace the question mark ?

```
     1            8            9
2  (10)  4    1  (17)  5    1  ( ? )  6
     3            3            4
```
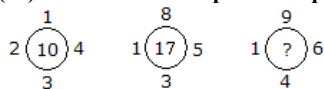
[A] 18

[B] 20

[C] 21

[D] 19

Answer : [B]

Explanation:
1 + 2 + 3 + 4 = **10**
and 1 + 3 + 5 + 8 = **17**
Similarly, 1 + 4 + 6 + 9 = **20**.

(13) Choose the odd one out.

[A] CegI

[B] FhjL

[C] PrtV

[D] KnpR

[E] UwyA

Answer : [D]

Explanation:
In all other groups, the letters are alternate and the middle two are small letters.

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(14) Question: In a row of five buildings - P, Q, R, S and T, which building is in the middle ?
Statements:

    I. **Buildings S and Q are at the two extreme ends of the row.**

    II. **Building ,T is to the right of building R.**

[A] I alone is sufficient while II alone is not sufficient

[B] II alone is sufficient while I alone is not sufficient

[C] Either I or II is sufficient

[D] Neither I nor II is sufficient

[E] Both I and II are sufficient

Answer : [D]

Explanation:
From I, we have the order : S, -, -, -, Q. From II, we have the order : R, T. Combining the above two, we get two possible orders : S, R, T, P, Q or S, P, R, T, Q. Thus, either T or R is in the middle.

---

(15) Question: Who is the tallest among six boys P, T, N, D, Q and R ?
Statements:

    I. **P is taller than D and N but not-as tall as T.**

    II. **R is taller than Q but not as tall as T.**

    III. **Q is not taller than T and R.**

[A] Only I and II

[B] Only II and III

[C] Only I and III

[D] All I, II and III

[E] Only I and either II or III

Answer : [A]

Explanation:
From I, we have: P > D, P > N, T > P i.e. T > P > D > N or T > P > N > D ...(i)
From II, we have: R > Q, T > R i.e. T > R > Q ...(ii)
From III, we have: T > Q, R > Q ...(iii)
Clearly, from (i) and (ii), we conclude that T is taller than each one of P, N, D, R and Q. So, T is the tallest.

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(16) A bus starts from city X. The number of women in the bus is half of the number of men. In city Y, 10 men leave the bus and five women enter. Now, number of men and women is equal. In the beginning, how many passengers entered the bus ?

[A] 15

[B] 30

[C] 36

[D] 45

Answer : [D]

Explanation:
Originally, let number of women = x. Then, number of men = 2x.
So, in city Y, we have : (2x - 10) = (x + 5) or x - 15.
Therefore Total number of passengers in the beginning = (x + 2x) = 3x = 45.

(17) A printer numbers the pages of a book starting with 1 and uses 3189 digits in all. How many pages does the book have ?

[A] 1000

[B] 1074

[C] 1075

[D] 1080

Answer : [B]

Explanation:
No. of digits in 1-digit page nos. = 1x9 = 9.
No. of digits in 2-digit page nos. = 2 x 90 = 180.
No. of digits in 3-digit page nos. = 3 x 900 = 2700.
No. of digits in 4-digit page nos. = 3189 - (9 + 180 + 2700) = 3189 - 2889 = 300.
Therefore No. of pages with 4-digit page nos. = (300/4) = 75.
Hence, total number of pages = (999 + 75) = 1074.

(18) Border : Country

[A] Pen : Cap

[B] Book : Cover

[C] Handle : Shade

[D] Frame : Picture

Answer : [D]

Explanation: First is the boundary of the second.

(19) 'Horse' is related to 'Hoof' in the same way as 'Eagle' is related to:

[A] Clutch

[B] Leg

[C] Foot

[D] Claw

Answer : [D]

Explanation: As the foot of the 'Horse' is called 'Hoof' in the same way the foot of the 'Eagle' is called 'Claw'.

(20) A, P, R, X, S and Z are sitting in a row. S and Z are in the centre. A and P are at the ends. R is sitting to the left of A. Who is to the right of P ?
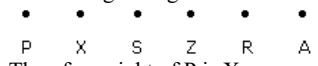
[A] A

[B] X

[C] S

[D] Z

Answer : [B]

Explanation:
The seating arrangement is as follows:

• • • • • •

P   X   S   Z   R   A

Therefore, right of P is X.

Explanation:
The seating arrangement is as follows:

P   X   S   Z   R   A

Therefore, right of P is X.