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DTL Reasoning Sample Paper 2016 PDF Download

(1) M, N, O, L, R, I, V, ?

[A] A

[B] E

[C] F

[D] H

[E] Z

Answer : [B]

Explanation:
The given sequence is a combination of two series:
I. M, O, R, V and II. N, L, I, ?

(2) Z, Y, X, U, T, S, P, O, N, K, ?, ?

[A] H,G

[B] H, I

[C] I,H

[D] J, I

Answer : [D]

Explanation:

(3) gfe _ ig _ eii _ fei _ gf_ ii

[A] eifgi

[B] figie

[C] ifgie

[D] ifige

Answer : [C]

Explanation:
The series is gfeii/gfeii/gfeii/gfeii. Thus, the pattern 'gfeii' is repeated.

(4) _ a _ b _ abaa _ bab _ abb

[A] aaabb

[B] ababb

[C] babab

[D] babba

Answer : [D]

Explanation:
The series is baa/bba/baa/bba/baa/bb. Thus, the pattern baa/bba is repeated.

(5) c _ bbb _ _ abbbb _ abbb _

[A] aabcb

[B] abccb

[C] abacb

[D] baebb

Answer : [B]

Explanation:
The series is c<u>a</u>bbb<u>b</u>/<u>c</u>abbbb/<u>c</u>abbb<u>b</u>. Thus, the pattern 'cabbbb' is repeated.

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(6) _ _aba _ _ ba _ ab

[A] abbba

[B] abbab

[C] baabb

[D] bbaba

Answer : [B]

Explanation:
The series is <u>ab</u>/ab/a<u>b</u>/<u>a</u>b/a<u>b</u>/ab. Thus, the pattern 'ab' is repeated.

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(7) _ bc _ ca _ aba _ c _ ca

[A] abcbb

[B] bbbec

[C] bacba

[D] abbec

Answer : [A]

Explanation:
The series is <u>a</u>bc/<u>b</u>ca/<u>c</u>ab/a<u>b</u>c/<u>b</u>ca, Thus, the letters change places in a cyclic order.

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(8) c _ bba _ cab _ ac _ ab _ ac

[A] abebe

[B] acbcb

[C] babec

[D] bcacb

Answer : [B]

Explanation:
The series is c<u>a</u>bba<u>c</u>/cab<u>b</u>ac/<u>c</u>ab<u>b</u>ac. Thus, the pattern 'cabbac' is repeated.

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(9) ab _ aa _ bbb _ aaa _ bbba

[A] abba

[B] baab

[C] aaab

[D] abab

Answer : [B]

Explanation:
The series is ab**b**/aa**a**bbb/**a**aaa**b**bbb/a. Thus the letters are repeated twice, then thrice, then four times and so on.

(10) a _ n _ b _ _ ncb _ _ ncb

[A] abbbec

[B] abebeb

[C] bacbab

[D] bcabab

Answer : [D]

Explanation:
The series is a**b**n**c**b/**ab**ncb/**ab**ncb. Thus, the pattern 'abncb' is repeated.

(11) m _ nm _ n _ an _ a _ ma _

[A] aamnan

[B] ammanm

[C] aammnn

[D] amammn

Answer : [C]

Explanation:
The series is m**a**n/m**a**n/m**a**n/m**a**n/m**a**n. Thus, the pattern 'man' is repeated.

(12) bca _ b _ aabc __ a __ caa

[A] acab

[B] bcbb

[C] cbab

[D] ccab

Answer : [A]

Explanation:
The series is bca**a**/b**c**aa/bc**a**a/**b**caa. Thus, the pattern 'bcaa' is repeated.

(13) Arrange the words given below in a meaningful sequence.
  1. College   2. Child   3. Salary   4. School   5. Employment

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

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

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

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

Answer : [B]

(14) Arrange the words given below in a meaningful sequence.
  1. Post-box   2. Letter   3. Envelope   4. Delivery   5. Clearance

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

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

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

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

Answer : [C]

(15) Pointing to a boy in the photograph Reena said, "He is the only son of the only child of my grandfather." How Reena is related to that boy?

[A] Mother

[B] Sister

[C] Aunt

[D] Cannot be determined

Answer : [B]

Explanation:
The boy in the photograph is the only son of Reena's grandfather's only son; i.e., the boy is the only son of Reena's father.
Hence, the boy is the brother of Reena or Reena is the sister of the boy.

(16) Pointing towards a girl, Abhisek says, "This girl is the daughter of only a child of my father." What is the relation of Abhisek's wife to that girl?

[A] Daughter

[B] Mother

[C] Aunt

[D] Sister

Answer : [B]

Explanation: Only the child of my father means 'Abhisek' himself. This means the girl is the daughter od Abhisek. Hence, Abhisek's wife is the mother of the girl.

(17) If M x N means M is the daughter of N; M + N means M is the father of N; M % N means M is the mother of N and M - N means M is the brother of N then P % Q + R - T x K indicates which relation of P to K?

[A] Daughter-in-law

[B] Sister-in-law

[C] Aunt

[D] None of these

Answer : [D]

Explanation:
P % Q → P is the mother of Q
Q + R → Q is the father of R
R - T → R is the brother of T
Hence, → Q is the father of T
T x K → T is the daughter of K
Hence, → Q is the husband of K.
Therefore, P is the mother-in-law of K.

(18) A, B, C, D and E are sitting on a bench. A is sitting next to B, C is sitting next to D, D is not sitting with E who is on the left end of the bench. C is on the second position from the right. A is to the right of B and E. A and C are sitting together. In which position A is sitting ?

[A] Between B and D

[B] Between B and C

[C] Between E and D

[D] Between C and E

Answer : [B]

Explanation:

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 •      •      •      •      •
 E      B      A      C      D
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Therefore, A is sitting in between B and C.

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(19) There are 8 houses in a line and in each house only one boy lives with the conditions as given below:

   I.   **Jack is not the neighbour Siman.**

  II.   **Harry is just next to the left of Larry.**

 III.   **There is at least one to the left of Larry.**

  IV.   **Paul lives in one of the two houses in the middle.**

   V.   **Mike lives in between Paul and Larry.**

If at least one lives to the right of Robert and Harry is not between Taud and Larry, then which one of the following statement is not correct ?

[A] Robert is not at the left end.

[B] Robert is in between Simon and Taud.

[C] Taud is in between Paul and Jack.

[D] There are three persons to the right of Paul.

Answer : [C]

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(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:

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 •      •      •      •      •      •
 P      X      S      Z      R      A
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Therefore, right of P is X.