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Syndicate Bank TA Reasoning Sample Paper

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(1) A, B, B, D, C, F, D; H, E, ?, ?

[A] E, F

[B] F, G

[C] F, I

[D] J, F

[E] J, K

Answer : [D]

Explanation:
The given sequence is a combination of two series :
I. 1st, 3rd, 5th, 7th, 9th, 11th terms i.e. A, B, C, D, E, ? II. 2nd, 4th, 6th, 8th, 10th terms i.e. B, D, F, H, ?
Clearly, I consists of consecutive letters while II consists of alternate letters. So, the missing letter in I is F, while that in II is J. So, the missing terms i.e. 10th and 11th terms are J and F respectively.

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(2) ADVENTURE, DVENTURE, DVENTUR, ?, VENTU

[A] DVENT

[B] VENTURE

[C] VENTUR

[D] DVENTU

[E] None of these

Answer : [C]

Explanation:
One letter from the beginning and one from the end of a term are removed, one by one, in alternate steps.

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(3) U, B, I, P, W, ?

[A] D

[B] F

[C] Q

[D] Z

Answer : [A]

Explanation:

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(4) a _ bbc _ aab _ cca _ bbcc

[A] bacb

[B] acba

[C] abba

[D] caba

Answer : [B]

Explanation:
The series is a<u>a</u>bb<u>cc</u>/aab<u>b</u>cc/a<u>a</u>bbcc. Thus, the pattern 'aabbcc' is repeated.

(5) _ **nmmn** _ **mmnn** _ **mnnm** _

[A] nmmn

[B] mnnm

[C] nnmm

[D] nmnm

Answer : [C]

Explanation:
The series is <u>n</u>nmm/n<u>n</u>mn/nn<u>m</u>m/nnm<u>m</u>. Thus, the pattern 'nnmm' is repeated.

(6) If A is the brother of B; B is the sister of C; and C is the father of D, how D is related to A?

[A] Brother

[B] Sister

[C] Nephew

[D] Cannot be determined

Answer : [D]

Explanation:
If D is Male, the answer is Nephew.
If D is Female, the answer is Niece.
As the sex of D is not known, hence, the relation between D and A cannot be determined.
Note: Niece - A daughter of one's brother or sister, or of one's brother-in-law or sister-in-law. Nephew - A son of one's brother or sister, or of one's brother-in-law or sister-in-law.

(7) If A + B means A is the sister of B; A x B means A is the wife of B, A % B means A is the father of B and A - B means A is the brother of B. Which of the following means T is the daughter of P?

[A] P x Q % R + S - T

[B] P x Q % R - T + S

[C] P x Q % R + T - S

[D] P x Q % R + S + T

Answer : [B]

Explanation:
P x Q → P is the wife of Q
Q % R → Q is the father of R
R - T → R is the brother of T
T + S → T is the sister of S.
Therefore, T is the daughter of P.

(8) Pointing to Varman, Madhav said, "I am the only son of one of the sons of his father." How is Varman related to Madhav?

[A] Nephew

[B] Uncle

[C] Father or Uncle

[D] Father

Answer : [C]

Explanation: Madhav is the only son of one of the sons of Varman's father → Either Varman is the father or uncle of Madhav.

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(9) Pointing to Gopi, Nalni says, "I am the daughter of the only son of his grandfather." How Nalni is related to Gopi?

[A] Niece

[B] Daughter

[C] Sister

[D] Cannot be determined

Answer : [C]

Explanation: Nalni is the daughter of the only son of Gopi's grandfather. Hence, it's clear that Nalni is the sister of Gopi.

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(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.

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(11) Choose the word which is different from the rest.

[A] Kiwi

[B] Eagle

[C] Emu

[D] Ostrich

Answer : [B]

Explanation:
All except Eagle are flightless birds.

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(12) Choose the odd one out.

[A] OUSF

[B] PIGS

[C] TEPJ

[D] XLPA

Answer : [A]

Explanation:
This is the only group containing two vowels.

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(13) Choose the odd one out.

[A] ACHI

[B] DFKL

[C] MNST

[D] OQVW

[E] PRWX

Answer : [C]

Explanation:
In all other groups, the first two letters are alternate, third and fourth letters are consecutive and there is a gap of four letters between the second and third letters.

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(14) Choose the odd one out.

[A] TPLH

[B] SOKG

[C] ZVRN

[D] UQMJ

Answer : [D]

Explanation:
In all other groups, each of the first three letters is four steps ahead of the next letter.

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(15) Choose the odd one out.

[A] ACEG

[B] IKMO

[C] TVWY

[D] FHJL

[E] NPRT

Answer : [C]

Explanation:
In all other groups, the letters are alternate.

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(16) Mr. Johnson was to earn £ 300 and a free holiday for seven weeks' work. He worked for only 4 weeks and earned £ 30 and a free holiday. What was the value of the holiday?

[A] £ 300

[B] £ 330

[C] £ 360

[D] £ 420

Answer : [B]

Explanation:

Let the value of the holiday be x.

Then, pay for seven weeks' work = £ 300 + x.

So, $\frac{£\ 300 + x}{7} \times 4 = £\ 30 + x$ $\Leftrightarrow$ £ 1200 + 4x = £ 210 + 7x

$\Leftrightarrow$ 3x = £ 990 $\Leftrightarrow$ x = £ 330.

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(17) In a cricket match, five batsmen A, B, C, D and E scored an average of 36 runs. D Scored 5 more than E; E scored 8 fewer than A; B scored as many as D and E combined; and B and C scored 107 between them. How many runs did E score ?

[A] 62

[B] 45

[C] 28

[D] 20

Answer : [D]

Explanation:
Total runs scored = (36 x 5) = 180.
Let the runs scored by E be x.
Then, runs scored by D = x + 5; runs scored by A = x + 8;
runs scored by B = x + x + 5 = 2x + 5;
runs scored by C = (107 - B) = 107 - (2x + 5) = 102 - 2x.
So, total runs = (x + 8) + (2x + 5) + (102 - 2x) + (x + 5) + x = 3x + 120.
Therefore 3x + 120 =180 $\Leftrightarrow$ 3X = 60 $\Leftrightarrow$ x = 20.

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(18) A student got twice as many sums wrong as he got right. If he attempted 48 sums in all, how many did he solve correctly ?

[A] 12

[B] 16

[C] 18

[D] 24

Answer : [B]

Explanation:
Suppose the boy got x sums right and 2x sums wrong.
Then, x + 2x = 48 $\Leftrightarrow$ 3x = 48 $\Leftrightarrow$ x = 16.

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(19) A total of 324 coins of 20 paise and 25 paise make a sum of Rs. 71. The number of 25-paise coins is

[A] 120

[B] 124

[C] 144

[D] 200

Answer : [B]

Explanation:
Let the number of 20-paise coins be x. Then, number of 25-paise coins = (324 - x).
Therefore 0.20 x x + 0.25 (324 - x) = 71 ⇔ 20x + 25 (324 - x) = 7100
⇔ 5x= 1000 ⇔ x = 200. Hence, number of 25-paise coins = (324 - x) - 124.

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(20) A number consists of two digits whose sum is 11. If 27 is added to the number, then the digits change their places. What is the number ?

[A] 47

[B] 65

[C] 83

[D] 92

Answer : [A]

Explanation:
Let the ten's digit be x. Then, unit's digit = (11 - x).
So, number = 10x + (11 - x) = 9x + 11.
Therefore (9x + 11) + 27 = 10 (11 - x) + x ⇔ 9x + 38 = 110 - 9x ⇔ 18x = 72 ⇔ x = 4.
Thus, ten's digit = 4 and unit's digit = 7.
Hence, required number = 47.