Book For

Uttar Gujarat Vij Company Limited
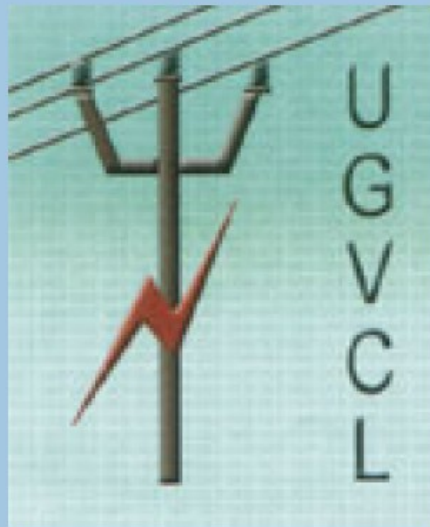
UGVCL Reasoning Sample Paper 2016 PDF Download

(1) 120, 99, 80, 63, 48, ?

[A] 35

[B] 38

[C] 39

[D] 40

Answer : [A]

Explanation:
The pattern is - 21, - 19, - 17, - 15,.....
So, missing term = 48 - 13 = 35.

(2) 3, 10, 101,?

[A] 10101

[B] 10201

[C] 10202

[D] 11012

Answer : [C]

Explanation:
Each term in the series is obtained by adding 1 to the square of the preceding term.
So, missing term = $(101)^2 + 1 = 10202$.

(3) In the series 2, 6, 18, 54, ... what will be the 8th term ?

[A] 4370

[B] 4374

[C] 7443

[D] 7434

Answer : [B]

Explanation:
Clearly, 2 x 3 = 6, 6 x 3 = 18, 18 x 3 = 54,.....
So, the series is a G.P. in which a = 2, r = 3.
Therefore 8th term = $ar^{8-1} = ar^7 = 2 \times 3^7 = (2 \times 2187) = 4374$.

(4) 125,80,45,20,?

[A] 5

[B] 8

[C] 10

[D] 12

Answer : [A]

Explanation:
The pattern is - 45, - 35, - 25, ...
So, missing term = 20 - 15 = 5.

(5) 589654237, 89654237, 8965423, 965423, ?

[A] 58965

[B] 65423

[C] 89654

[D] 96542

Answer : [D]

Explanation:
The digits are removed one by one from the beginning and the end in order alternately
so as to obtain the subsequent terms of the series.

(6) Which term of the series 5, 10, 20, 40, ... is 1280?

[A] 10th

[B] 9th

[C] 8th

[D] None of these

Answer : [B]

Explanation:
Clearly, 5 x 2 = 10, 10 x 2 = 20, 20 x 2 = 40,.....
So, the series is a G.P. in which a = 5 and r = 2.
Let 1280 be the rath term of the series.
Then, $5 \times 2^{n-1} = 1280 \Leftrightarrow 2^{n-1} = 256 = 2^8 \Leftrightarrow n - 1 = 8 \Leftrightarrow n = 9$.

(7) 6, 12, 21, ?, 48

[A] 33

[B] 38

[C] 40

[D] 45

Answer : [A]

Explanation:
The pattern is + 6, + 9, + 12, + 15, ...
So, missing term = 21 + 12 = 33.

(8) 198, 194, 185, 169, ?

[A] 92

[B] 112

[C] 136

[D] 144

Answer : [D]

Explanation:
The pattern is - 4, - 9, - 16,.....i.e. $- 2^2, - 3^2, - 4^2$,.....
So, missing pattern = $169 - 5^2 = 169 - 25 = 144$.

(9) 3, 4, 7, 7, 13, 13, 21, 22, 31, 34, ?

[A] 42

[B] 43

[C] 51

[D] 52

Answer : [B]

Explanation:
The given sequence is a combination of two series :
I. 3, 7, 13, 21, 31, ? and II. 4, 7, 13, 22, 34
The pattern in I is + 4, + 6, + 8, + 10,.....
The pattern in II is + 3, + 6, + 9, + 12,.....
So, missing term = 31 + 12 = 43.

(10) 2, 3, 5,7,11,?, 17

[A] 12

[B] 13

[C] 14

[D] 15

Answer : [B]

Explanation:
Clearly, the given series consists of prime numbers starting from 2. So, the missing
term is the prime number after 11, which is 13.

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

[A] Cap

[B] Turban

[C] Helmet

[D] Veil

[E] Hat

Answer : [D]

Explanation:
All except Veil cover the head, while veil covers the face.

(12) 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.

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

[A] Curd

[B] Butter

[C] Oil

[D] Cheese

[E] Cream

Answer : [C]

Explanation:
All except Oil are products obtained from milk.

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

[A] Oyster

[B] Clam

[C] Scallop

[D] Mussel

Answer : [C]

Explanation:
All except Scallop live in shells.

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

[A] Kanpur

[B] Allahabad

[C] Varanasi

[D] Mathura

Answer : [D]

Explanation:
All except Mathura are cities situated on the banks of Ganga river.

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

[A] Dagger

[B] Hammer

[C] Knife

[D] Sword

[E] Blade

Answer : [B]

Explanation:
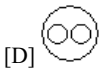All except Hammer are sharp-edged and have a cutting action.

(17) Which of the following diagrams indicates the best relation between Travelers, Train and Bus ?
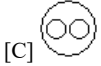
[A]

[B]

[C]

[D]
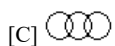
Answer : [C]

Explanation: Bus and Train are different from each other but some travelers travel by bus and some travel by train.

(18) Which of the following diagrams indicates the best relation between India, Haryana and World ?

[A]

[B]

[C]

[D]

Answer : [D]

Explanation: Haryana is in India and India is in the World.

(19) Which of the following diagrams indicates the best relation between Earth, Sea and Sun ?

[A]

[B]

[C]

[D]
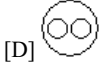
Answer : [A]

Explanation: Sea is a part of Earth while Sun is different from these two.

(20) Which of the following diagrams indicates the best relation between Pigeon, Bird and Dog ?

[A]

[B]

[C]

[D]
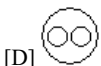
Answer : [A]

Explanation: All the pigeons are birds while dog is different from these.