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Delhi Metro Rail Corporation Ltd



DMRC Reasoning Sample Paper 2016 PDF Download



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(1) T, R, P, N, L, ?, ?

[A] J, G

[B] J, H

[C] K, H

[D] K, I

Answer : [B]

Explanation:



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(2) PMT, OOS, NQR, MSQ, ?

[A] LUP

[B] LVP

[C] LVR

[D] LWP

Answer : [A]

Explanation:



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(3) A, D, H, M, ?, Z

[A] T

[B] G

[C] N

[D] S

Answer : [D]

Explanation:



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(4) 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, ?



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(5) \_ nmmn \_ mmnn \_ mnmn \_

[A] nmmn

[B] mnnm

[C] nmmm

[D] mmmm

**Answer : [C]**

**Explanation:**

The series is nmm/nmn/nnm/nnm. Thus, the pattern 'nmmm' is repeated.

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(6) m \_ nm \_ n \_ an \_ a \_ ma \_

[A] aamnan

[B] ammanm

[C] aammnn

[D] amammn

**Answer : [C]**

**Explanation:**

The series is man/man/man/man/man. Thus, the pattern 'man' is repeated.

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(7) Which one will replace the question mark ?

16	28	29
13	12	16
14	10	15
15	30	?

[A] 60

[B] 30

[C] 20

[D] 45

**Answer : [B]**

**Explanation:**

$(16 + 13) = (14 + 15)$

and  $(28 + 12) = (10 + 30)$

Therefore  $(29 + 16) = (15 + 30)$ .

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(8) Which one will replace the question mark ?

3	15	4
7	38	5
3	?	5

[A] 15

[B] 19

[C] 20

[D] 18

Answer : [D]

**Explanation:**

$$(3 \times 4) + 3 = 15$$

$$\text{and } (7 \times 5) + 3 = 38$$

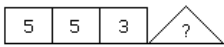
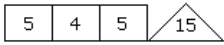
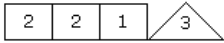
$$\text{Therefore } (3 \times 5) + 3 = 18.$$

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(9) Which one will replace the question mark ?



[A] 11

[B] 19

[C] 15

[D] 22

Answer : [D]

**Explanation:**

$$(2 \times 2 - 1) = 3$$

$$\text{and } (5 \times 4 - 5) = 15$$

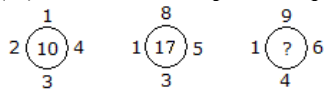
$$(5 \times 5 - 3) = 22.$$

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(10) Which one will replace the question mark ?



[A] 18

[B] 20

[C] 21

[D] 19

Answer : [B]

**Explanation:**

$$1 + 2 + 3 + 4 = 10$$

$$\text{and } 1 + 3 + 5 + 8 = 17$$

$$\text{Similarly, } 1 + 4 + 6 + 9 = 20.$$

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(11) Which of the following diagrams indicates the best relation between Travelers, Train and Bus ?



Answer : [C]

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

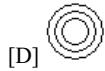
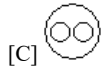
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(12) Which of the following diagrams indicates the best relation between India, Haryana and World ?



Answer : [D]

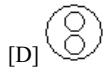
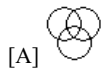
Explanation: Haryana is in India and India is in the World.

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(13) Which of the following diagrams indicates the best relation between Judge, Thieves and Criminals ?



Answer : [B]

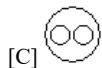
Explanation: All the thieves are criminals while judge is different from these.

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(14) Which of the following diagrams indicates the best relation between Sweets, Rasagulla and Apple ?



Answer : [A]

Explanation: Rasagulla is one of the sweets while apple is different from these.

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(15) Root, Stem, Branch

[A] Fertilizer

[B] Leaf

[C] Tree

[D] Wood

Answer : [B]

Explanation: All are the parts of tree.

**(16) Mars, Earth, Jupiter**

- [A] Planets
- [B] Cosmos
- [C] Orbits
- [D] Astronauts

**Answer : [A]**

**Explanation:** All these are planets.

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**(17) Carpenter, Plumber, Electrician**

- [A] Doctor
- [B] Blacksmith
- [C] Professor
- [D] Lawyer

**Answer : [B]**

**Explanation:** Carpenter, Plumber, Electrician and Blacksmith are in same working category.

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**(18) Clutch, Brake, Horn**

- [A] Car
- [B] Scooter
- [C] Accident
- [D] Steering

**Answer : [D]**

**Explanation:** All these are part of a vehicle.

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**(19) 'Smoke' is related to 'Pollution' in the same way as 'War' is related to:**

- [A] Victory
- [B] Treaty
- [C] Defeat
- [D] Destruction

**Answer : [D]**

**Explanation:** As 'smoke' leads to 'pollution' in the same way "War" leads to 'destruction'.

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**(20) 'Mountain' is related to 'Hill' in the same way as 'River' is related to:**

- [A] Path
- [B] Swimming
- [C] Flowing
- [D] Tank

**Answer :** [D]

**Explanation:** As short form of 'Mountain' is 'Hill' similarly 'Tank' is short form of 'River'.

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