

## Mathematical Ability

**Q1. Ramu and Somu are competing in a 100 m race. Initially, Ramu runs at twice Somu's speed for the first fifty metres. After the 50 m mark, Ramu runs at  $\frac{1}{4}$ th his initial speed while Somu continues to run at his original speed. If Somu catches up with Ramu at a distance of 'x' meters from the finish line, then find x.**

- (1) 37.5
- (2) 25
- (3) 75
- (4) 42.5

**Q2. When the curves  $y = 10x$  and  $xy = 1$  are drawn in the X-Y plane, how many times do they intersect for values of  $y > 2$ ?**

- (1) Never
- (2) Once
- (3) Twice
- (4) Thrice

**Q3. Anoop found the product, P, of two two-digit natural numbers, M and N. He then reversed the digits of each of M and N and found the product of the resultant numbers. Interestingly, he found both products to be the same. If the product of the tens digit of M and the tens digit of N is prime, find the sum of all the possible values of P that Anoop could have obtained.**

- (1) 2604
- (2) 2712
- (3) 2627
- (4) 4684

**Q4. What is the minimum value of the expression  $2x^2 + 3y^2 - 4x - 12y + 18$ ?**

- (1) 18
- (2) 10
- (3) 4
- (4) 0

**Q5. The product of three numbers is 1620. If the HCF of any two out of the three numbers is 3, what is their LCM?**

- (1) 180
- (2) 135
- (3) 90
- (4) 270

### Verbal Ability

**Q1. Choose the option in which the usage of the word is INCORRECT or INAPPROPRIATE.**

Air

- 1) Open the windows and let the fresh air in.
- (2) It takes two hours by air to reach Chennai from Hyderabad.
- (3) The appetizing aroma wafting through air stirred up our appetite.
- (4) Her colleagues resent her as she always puts on airs.

**Q2. Choose the option in which the usage of the word is INCORRECT or INAPPROPRIATE.**

BACK

- (1) He intends to purchase a house in a non-descript village in the back of beyond.
- (2) As she hurt her back falling off a horse, she was advised bed rest for a couple of weeks.



(3) A true friend never turns his back from you when you need his help.

(4) We decided to keep the plan on the back-burner due to paucity of funds.

**Q3. There are five sentences. Each sentence has pairs of words/phrases that are**

**italicized and highlighted. From the italicized and highlighted word(s)/phrase(s), select the most appropriate word(s)/phrase(s) to form correct sentences. Then, from the options given, choose the best one.**

(i) According to media reports the accident *occurred* (A) / *happened* (B) at about 11:30 a.m.

(ii) Caution should be exercised while handling *electric* (A) / *electrical* (B) equipment.

(iii) Abdul is a carpenter by *trade* (A) / *profession* (B).

(iv) Apart from the brilliant storyline, the excellent sound and *light*(A) / *lighting* (B) effects of the movie made it worth watching.

(1) BABBA

(2) AABBA

(3) ABBAA

(4) ABABA

**Q4. There are five sentences. Each sentence has pairs of words/phrases that are**

**italicized and highlighted. From the italicized and highlighted word(s)/phrase(s), select the most appropriate word(s)/phrase(s) to form correct sentences. Then, from the options given, choose the best one.**

(i) The *rapid* (A) / *swift* (B) action taken by the local police in nabbing the notorious burglar was widely appreciated.

(ii) He categorically stated that no *further* (A) / *farther* (B) discussion would be entertained on the matter.

(iii) Today's women prefer a modern kitchen with all the latest *gadgets* (A) / *appliances* (B).

(iv) I am not *averse* (A) / *adverse* (B) to working extra hours.

(v) He vowed to *avenge* (A) / *revenge* (B) his sister's death.

- (1) AAAAA
- (2) AABAB
- (3) BAAAA
- (4) ABABA

**Q5. Choose the option in which the usage of the word is INCORRECT or INAPPROPRIATE.**

GET

- (1) She is forever under the impression that everybody is out to get him.
- (2) You must get into the habit of maintaining a record of the money spent.
- (3) He is finding it difficult to get by on his meagre income.
- (4) The students were eagerly waiting to get over the exams.

### General Awareness

**Q1. Name the film which has been selected as India's official entry to the Best Foreign Language category of the 88th Academy or Oscar Awards 2016?**

- 1. PK
- 2. Haider
- 3. Court
- 4. Queen

**Q2. Which company has decided to invest \$150 million for the Indian Startups?**

- 1. Qualcomm
- 2. Yahoo
- 3. Google
- 4. Microsoft

**Q3. Who is named as the world's best player for 2016 by FIFA?**

- 1. Neymar
- 2. Lionel Messi
- 3. Cristiano Ronaldo
- 4. Luis Suarez



**Q4. Which life insurance company has announced the launch of Artificial Intelligence-based insurance email bot 'SPOK'?**

1. ICICI Prudential
2. HDFC Life
3. Birla Sun Life
4. Bharti Axa

**Q5. Which among the following has been crowned world's busiest single-runway airport with 1 flight in 65 seconds?**

1. New Delhi Airport
2. Mumbai Airport
3. Dubai Airport
4. Bangkok Airport

## **Solutions**

### **Mathematical Ability**

Q1	(2)
Q2	(2)
Q3	(4)
Q4	(3)
Q5	(1)

### **Verbal Ability**

Q1	(3)
Q2	(3)
Q3	(4)
Q4	(3)
Q5	(4)



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**Current Affairs**

Q1	(3)
Q2	(1)
Q3	(3)
Q4	(2)
Q5	(2)