

# RBI GRADE B Mock Test 2

**Q 1.** A bag contains 4 blue and 5 green balls and another bag contains 3 blue and 6 green balls. Two balls are drawn at random from any of these bags. What is the probability that both balls drawn are green?

1.  $25/72$
2.  $35/36$
3.  $30/72$
4.  $15/72$

**Q 2.** What is 360 times of 295?

1. 106200
2. 260100
3. 601200
4. 124585

**Q 3.** There are 10 dozen candles kept in a box. If there are 15 such boxes, how many candles are there in all the boxes?

1. 1900
2. 1800
3. 2100
4. 2200

**Q 4.** In how many different ways can the letters of the word 'MIRACLE' can be arranged?

1. 2600
2. 3600
3. 5040
4. 4200

**Q 5.** a, b,c,d, and e are 5 consecutive even numbers. If the sum of a and d is 198. What is the sum of all the numbers?

1. 350
2. 500
3. 450
4. 250

**Q 6.** Cost of 6 tables and 11 chairs is Rs 54,000. What is the cost of 24 tables and 44 chairs?

1. 256000
2. 216000
3. 343000
4. 78000

**Q 7.** Mr Saurabh invests 6% of his monthly salary i.e. Rs 4800 on Mutual Funds. Also, he invests 8% of his monthly salary on insurance and another 12% of his salary on Share Markets. What is the total amount invested by Mr Saurabh?

1. 20600
2. 20800
3. 26000
4. 24000

**Q 8.** A trader sells 125 metres of cloth for Rs 15,250/- at the profit of Rs 20 per metre of cloth. What is the Cost price of 1 metre of cloth?

1. 104
2. 108
3. 102
4. 100

**Q 9.** Two numbers are such that the sum of twice the first number and thrice the second number is 40 and the sum of thrice the first number and twice the second number is 50. Which is the smaller number?

1. 7
2. 8
3. 5
4. 4

**Directions (10 - 12):**

- (i) 'A × B' means 'A is the brother of B'  
(ii) 'A - B' means 'A is sister of B'  
(iii) 'A + B' means 'A is father of B'  
(iv) 'A ÷ B' means 'A is mother of B'

**Q 10.** Which of the following represents 'Q is the nephew of S'

1.  $S - T + Q$
2.  $S \times T \div Q$
3.  $S \div T \times Q$
4.  $S - T + Q \times U$

**Q 11.** How is D related to E in the expression?

$K + D \div L - E?$

1. Father
2. Niece

3. Nephew
4. Mother

**Q 12.** Which of the following represents L is the daughter of M?

1.  $M \div O + L$
2.  $M \times O \times L$
3.  $M + O \times L - R$
4.  $M + O - L + R$

**Directions (13 - 17):** Study the following information and answer the following questions

There are seven employees in a Publishing company, named Archana, Barbara, Charan, Deepak, Emma, Fellaini, Govardhan and Hari working in three different departments, such as HR, Content Solution and Administration with at least two and not more than three in any department. They are posted in three different grades such as A, B and C with at least two in any one grade.

Both the employees in the HR department are in grade B. Deepak works in Content Solution department and belongs to grade A. Archana works in the Administrative department and does not belong to Grade A. Two employees in Content Solution department belong to one grade. Fellaini works with only Hema in one department. Charan works with Emma in one department. Barbara does not work with either Charan or Archana in the same department. Govardhan does not belong to grade C. Emma does not belong to Grade A.

**Q 13.** Which of the following combinations is correct?

1. HR - Fellaini - A
2. HR - Hari - C
3. Content Solution - Barbara - B
4. Administrative - Emma - C

**Q 14.** Which of the following groups of employees work in the Content Solution department?

1. Deepak, Barbara and Emma
2. Deepak, Barbara and Charan
3. Deepak, Barbara and Govardhan
4. None of these

**Q 15.** Hari belongs to which grade?

1. A
2. B
3. C
4. None of these

**Q 16.** Charan belongs to which grade?

1. B
2. C
3. A
4. Data inadequate

**Directions (17-21):** Read each sentence to find out whether there is any grammatical mistake/error in it. The error, if any, will be in one part of the sentence. Mark that part as your answer. If the sentence is correct, mark 5 (no error) as your answer. (Ignore the errors of punctuation, if any)

**Q 17.** She is (1)/ requested me to do it (2) / as her mother (3) / has not been keeping well (4) / No error (5)

1. 3
2. 2
3. 5
4. 4

**Q 18.** My watch (1) / was (2) / stole (3) / yesterday (4) / No error (5)

1. 3
2. 1
3. 2
4. 4

**Q 19.** I found this toy (1) / while digging (2) / in the garden, but (3) / I don't know to whom it belonged (4) / No error (5)

1. 2
2. 3
3. 1
4. 5

**Q 20.** She gave me (1) / details of all the places (2) / she had visited while she (3) / was on a official tour (4) / No error (5)

1. 2
2. 3
3. 4
4. 5

**Q 21.** What makes people (1) / angry is actually (2) / an mystery and was difficult (3) / to explain (4) / No error (5)

1. 3
2. 4
3. 5
4. 1

**Directions (22-23):** Choose the word that is most similar in meaning to the word given in bold.

**Q 22. Solitude**

1. Seclusion
2. Horde
3. Assemblage
4. Gathering

**Q 23. Omnipresent**

1. Ubiquitous
2. Archetypal
3. Stereotypical
4. Classic

**Directions (24 - 25):** Choose the word that is most opposite to the word given in bold

**Q 24. Emaciated**

1. Scrawny
2. Skeletal
3. Bony
4. Stout

**Q 25. Expedite**

1. Accelerate
2. Hasten
3. Quicken
4. Inhibit

**Answer Keys**

Q 1. 1	Q 2. 1	Q 3. 2	Q 4. 3	Q 5. 2
Q 6. 2	Q 7. 2	Q 8. 3	Q 9. 4	Q 10. 1
Q 11. 4	Q 12. 3	Q 13. 4	Q 14. 3	Q 15. 2
Q 16. 2	Q 17. 2	Q 18. 1	Q 19. 4	Q 20. 3
Q 21. 1	Q 22. 1	Q 23. 1	Q 24. 4	Q 25. 4

**Solution 1:**

Probability of drawing Bag 1 =  $\frac{1}{2}$

Probability of drawing Bag 2 =  $\frac{1}{2}$

Probability of selecting Bag 1 and drawing 2 green balls from it =  $\frac{1}{2} \times ({}^5C_2 / {}^9C_2) = 5/36$

Probability of selecting Bag 2 and drawing 2 green balls =  $\frac{1}{2} \times ({}^6C_2 / {}^9C_2) = 15/72$

Therefore required probability =  $5/36 + 15/72 = 25/72$

**Solution 2:**

This is a straight forward question to multiply. Such questions are asked to check the candidates' speed to calculate multiplication of large numbers.

**Solution 3:**

The number of candles in a box = 10 dozen.

1 dozen = 12.

Hence number of candles in a box =  $10 \times 12 = 120$

Now, there are 15 boxes, hence the total number of candles when all boxes are put together.

=  $120 \times 15 = 1800$

**Solution 4:**

There are 7 distinct letters in the word. M, I, R, A, C, L, E.

1st position can be filled in 7 different ways.

2nd position can be filled in 6 different ways.

3rd position can be filled in 5 different ways

4th position can be filled in 4 different ways.

5th position can be filled in 3 different ways...and so on

Hence the letters can be rearranged in  $7!$  Ways =  $7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1 = 5040$  ways

### Solution 5:

Let the even number be  $2x$ .

Let the 5 consecutive even numbers be  $2x, 2x+2, 2x+4, 2x+6, 2x+8$

Sum of 1st and 4th even numbers =  $2x + 2x + 6 = 4x + 6$

As per question,  $4x + 6 = 198$

$$4x = 198 - 6 = 192$$

$$x = 48$$

5 numbers are

$$2x = 2 * 48 = 96$$

$$2x + 2 = 98$$

$$2x + 4 = 100$$

$$2x + 6 = 102$$

$$2x + 8 = 104$$

Therefore the sum of all 5 even numbers = 500

### Solution 6:

There is a shortcut to solve this question without forming any equations.

If we closely observe 24 tables is nothing but  $6 \times 4$

44 chairs are nothing but  $11 \times 4$

So to find the final answer, simply multiply  $54,000 \times 4 = \text{Rs } 216000$

**Solution 7:**

$$6\% \text{ of } X = 4800$$

$$X = (4800 \times 100) / 6$$

$$X = \text{Rs } 80000$$

$$\text{Amount invested in Insurance} = 8\% \text{ of } 80000 = (8 \times 80000) / 100 = \text{Rs } 6,400$$

$$\text{Amount invested in the Share market} = 12\% \text{ of } 80000 = (12 \times 80000) / 100 = \text{Rs } 9,600$$

$$\text{Total amount invested} = 4800 + 6400 + 9600 = \text{Rs } 20,800$$

**Solution 8:**

$$\text{Selling Price of } 125 \text{ m of cloth} = \text{Rs } 15,250/-$$

$$\text{Selling Price of } 1 \text{ m of cloth} = \text{Rs } 122/-$$

$$\text{Profit of } 1 \text{ m of cloth} = \text{Rs } 20$$

$$\text{Cost Price of } 1 \text{ m of cloth} = \text{Selling Price} - \text{Profit} = 122 - 20 = \text{Rs } 102$$

**Solution 9:**

Let the two number be 'a' and 'b' according to question.

$$2a + 3b = 40$$

$$3a + 2b = 50$$

Solving the above 2 equations we find that  $a = 14$ ,  $b = 4$ .

Hence the smaller number is 4.

**Solution 10:**

S - T implies S is the sister of T.



T + Q implies T is the father of Q

Hence, as Q is the son of T and S is the sister of T we can deduce Q is the nephew of S.

**Solution 11:**

K + D implies K is the father of D.

D ÷ L implies D is the mother of L.

L - E implies L is the sister of E.

Hence we can conclude D is the mother of E.

**Solution 12:**

M + O implies M is the father of O.

O × L implies T is the brother of L.

L - R implies L is the sister of R.

So from the above logic, we can deduce L is the daughter of M.

**Solution 13:**

From the below table we can conclude that Administrative - Emma - C is the right combination.

Employee	Department	Grade
Archana	Administrative	C
Barbara	Content Solution	C
Charan	Administrative	C
Deepak	Content Solution	A
Emma	Administrative	C
Fellaini	HR	B
Govardhan	Content Solution	A
Hari	HR	B

**Solution 14:**

From the above final table, we can conclude that Deepak, Barbara and Govardhan works in the content solution department.

**Solution 15:**

From the above table, we can find that Hari belongs to Grade B.

**Solution 16:**

From the above table, we can find that Charan belongs to Grade C.

**Solution 17:**

In place of requested the word has to be requesting.

**Solution 18:**

Instead of using the word stole, the appropriate word is stolen.

**Solution 20:**

The mistake is in sentence 4, a has to be replaced with an, since word official begins with the vowel 'O'.

**Solution 21:**

'An' must be replaced with 'A'. 'was' must be replaced with 'is' to make it grammatically correct.