

**ASSOCIATION OF COMPUTING MACHINERY
(ACM, BITS-PILANI)
RULE BOOK FOR
CHECKMATE 2015**

INITIAL REMARKS

THE WINNER WILL BE DECIDED SOLELY ON THE BASIS OF TOTAL SCORES.

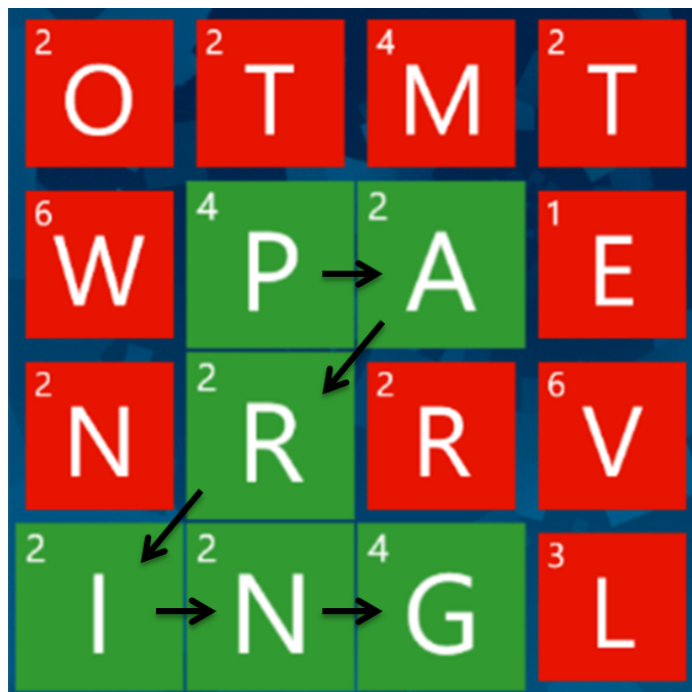
ALL ANSWERS SHOULD BE WRITTEN IN “LOWERCASE” WITH NO BLANK SPACE.
IN CASE OF MULTIPLE ANSWERS, SUBMIT ONLY 1 POSSIBLE ANSWER.
USE OF MOBILE PHONES, CALCULATORS AND INTERNET WILL LEAD TO IMMEDIATE DISQUALIFICATION.

IN CASE OF DISCREPANCY, THE DECISION OF THE ORGANIZERS WILL BE FINAL.

GAMEPLAY

There will be a 5x5 grid made up of letters.

The task is to make words using the letter provided in the grid. But in order to use a letter, you will first have to earn or buy that letter. **You will receive points only for making a word using the letters earned and NOT for solving the question.** All the letters in the word should be connected like king's moves(See image below). Same position cannot be used twice to make a word.



EARNING A LETTER

You have to solve a question to earn a letter.

If you are unable to solve that question, you get a second chance to earn that letter by solving a new question.

Still, if you cannot solve the question or your answer is wrong, you have only one option left that is to buy that letter.

Questions marked **RED** are questions which are yet to be earned and no attempt has been made to earn that.

Questions marked **YELLOW** are the unearned questions on which one wrong attempt has been made.

Questions marked **GREEN** are the questions on which two wrong attempts have been made to earn.

Questions marked **BLUE** are the unlocked questions which you can use to make new words and score.

BUYING A LETTER

To buy a letter enter the **ID**(for eg. 1/2/25/etc.) of the letter you want to buy in the dialog box provided. And click on buy now. Points will be deducted for each letter you buy. And the number of points deducted will increase exponentially as you buy more and more letters.

CLAIMING A WORD

Letters selected for claiming a word will be shown in **GREY**.

Initially all letters are red and cannot be used to form a word. When you earn a letter it turns **BLUE** and can be used further. You can only use the letters which are **BLUE** in colour.

To claim a word click on the letters you are using to form a word in a proper sequence. After that, click on claim now. The word claimed will be checked in a dictionary and if found valid you will be awarded equally. The word needs to be atleast 3 letters long.

MARKING SCHEME

For each valid word claimed, the marking scheme is as follows-

3 letter word- **15** points

4 letter word- **25** points

5 letter word- **40** points

6 letter word- **60** points

7 letter word- **90** points

8 letter word- **120** points

9 letter word- **180** points

For each letter you buy the **deduction** in points is as follows-

1st letter bought- **2** points

2nd letter bought- 4 points

3rd letter bought- 8 points

4th letter bought- 16 points

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nth letter bought- $2^{\text{exp}(n)}$ points.

For each wrong attempt on a question, **deduction** in points are as follows-

1st Question(marked **RED**) Answered incorrectly - 2 points

2nd Question(marked **YELLOW**) Answered incorrectly - 6 points

All the Best !!