## COMMON MISTAKES IN EACH CONCEPTIN TOPIC 2

| CONCEPT \# | COMMON MISTAKES (That will cost you marks) | MY MISTAKES |
| :---: | :---: | :---: |
| 5. Classify numbers - sort a set of numbers into rational and irrational numbers and describe which subsets of Real numbers it belongs to: natural, whole, integers, rational, irrational (NC) | - Not knowing the difference between each different type of number set <br> -Missing one or more subsets per question <br> - Not fully explaining when asked in the instructions |  |
| 6. Order a set of real numbers (rational \& irrational) on a number line (NC) | - Not evaluating or estimating the roots properly |  |
| 7. Write a radical as a mixed radical in simplest form and mixed radical as an entire radical (NC) | - Not understanding what the instructions are asking for <br> - Not fully simplifying the radical <br> - Forgetting the index in the answer |  |
| 8. Express powers with rational exponents as radicals and vice versa (NC) | - Not understanding what the instructions are asking for <br> - Forgetting brackets in answer when the base is negative or a fraction <br> - Not reducing fractions |  |
| 9. Evaluate powers with negative integer exponents, negative rational exponents, an exponent of zero ( NC ) | - Not properly using negative exponents <br> - Not fully simplifying and reducing the final answer <br> - Confusing a negative coefficient with a negative power |  |
| 10. Simplify expressions by applying the exponent laws ( including expressions with rational and variable bases) (NC) | -Forgetting that the exponents also applies to the coefficient -that the coefficient must be fully evaluated in the final answer <br> -Forgetting to reduce fractional exponents for variables (and that variables are left with fractional exponents rather than in radical form) <br> -Forgetting how to add and subtract fractions |  |

