

GRAPH THEORY: CLASS 5

- 1) Draw all trees of order 1, 2, 3, 4, 5.
- 2) Let G be a connected graph of order n , where every edge of G is a bridge. What is the size of G ?
- 3) A certain tree T of order n contains only vertices of degree 1 and 3. Find the number of vertices of degree 3.
- 4) Find all the regular trees.
- 5) Use the numbers 1, 3, 4 and 6, all and just once each, together with the operations plus, minus, multiplied and divided by, to make an expression that equals 24. Hint: you can use parenthesis.