1.Which of the following case does not exist in complexity theory?

   Best case / Worst case / Average case / Null case

2.O(1) to mean a computing time is

   Linear / Quadratic / Constant / Exponential

3. Every case time complexity of Quick sort T(n) is.......................

   n-1 /   n(n-1)/2    /   n+1    /    (n+1)/2

4. Another name for Binary search is ................. search.

    Exponential / Logarithmic / Increased / None of the above

5. ..............programming cannot be applied when the principle of optimality does not hold

   Structured / dynamic / static / procedural

6. .............algorithm can be used to find the shortest path

    Prim's / Kruskal's / Dijikstra's / Huffman's

7. Kruskal's algorithm is used to find the

   Shortest path / minimum spanning tree / element / minimum shortest path

8.Huffman coding is a technique used to ............files for transmission.

   Compress / Segment / Analyze / Al the above

9.Backtracking is a modified..................of a tree.

   Depth-first-search / linear search / binary search / breadth-first-search

10.Consider the graph.The graph is

   1-colouring  / 2- colouring /

   3-colouring / 4- colouring