Code-

```
class Solution {
public:
    void solve(TreeNode* root, vector<int> &ans, int level)
    {

        if (root == NULL)
        {
            return ;
        }


        if (level == ans.size())
        {
            ans.push_back(root -> val) ;
        }

        solve(root -> right, ans, level + 1) ;
        solve(root -> left, ans, level + 1 ) ;
    }
    vector<int> rightSideView(TreeNode* root) {
        vector<int> ans ;
        int level = 0 ;

        solve(root, ans, level) ;

        return ans ;
    }
};
```

Time complexity –O(N)

Space complexity –O(1)