**Course Name: Analysis of Algorithm    Course Code: CET3016B**

A.Y.  2022-23          S.Y.B.Tech –CSF        Trimester IV

Name of Component: Assignment No 1

|  |  |  |
| --- | --- | --- |
| Q. No | Question | Marks |
| Q1. | Explain the problem of Towers of Hanoi. Write its algorithm and find its recurrence relation. | 4 Marks |
| Q2. | Find Huffman code for the word ‘WEWANTPEACENOTWAR’. | 4 Marks |

Date of Assignment: 29/03/2023 Date of Submission: 10/04/2023

Name of Course Teacher: Dr. Preeti Kale

Sign:

**Course Name: Analysis of Algorithm    Course Code: CET3016B**

A.Y.  2022-23          S.Y.B.Tech-CSF         Trimester IV

Name of Component: Theory Assignment

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **DIMENSION** | **SCALE** | | | | | **SCORE** |
| 1 | 2 | 3 | 4 | 5 |
| **Understanding and Neatness** | 2 | 4 | 6 | 8 | 10 | 10 |
| **Timely submission** |  |  |  |  | 5 | 5 |
| Total | | | | | | 15 |