

# Faculty of Engineering and Technology

# Mock Examination Question Paper – B. Tech.

**Department: Computer Science and Engineering**

**Programme: B. Tech**

**Semester / Batch: 4 / 2017**

**Examination: 11th MAR 2019**

**Course Code: CSC214A**

**Course Title: Microprocessor and Assembly Programming Laboratory**

**Mock Examination – Laboratory**

**INSTRUCTIONS TO STUDENTS:**

1. Answer all the questions
2. Use only SI units
3. Use of non programmable scientific calculator is permitted
4. Use of data handbook permitted wherever applicable
5. Missing data may be appropriately assumed

**Time: 2 Hours Maximum Marks: 20**

|  |  |  |
| --- | --- | --- |
| **Item** | **Maximum Marks** | **Marks Obtained** |
| **Pre checking knowledge** | **5** |  |
| **Results**  (Implementation + Results screenshots + Analysis and Limitations of your work + Recommendations ) | **15**  (7+5+2+1) |  |
| **Viva Voce** | **-** |  |
| **Total Marks** | **20** |  |

1. Write algorithm to solve the given problem. **(5 Marks)**

1. Conduction of experiment and reporting the result. **(15 Marks)**

**Q1.Develop an assembly language program to convert a hexa-decimal number to decimal.**

**Q2.Develop an assembly language program to check the given input string is palindrome or not.**

**Q3. Develop an assembly language program to find the given number is prime number or not.**

**Q4.Develop an assembly language program to design a calculator that performs shift operations, AND, XOR and NOT.**

Document the following:

* **Introduction to problem statement**
* **Implementation**
* **Screenshots of Results**
* **Analysis and Limitations of your work**
* **Recommendations**
* **Conclusion**