**Rubrics**

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| Experiment Component | Max. Marks | Grading Rubrics | | | |
| Algorithm | 2 | Algorithms are written clearly as pseudo codes, focusing and mentioning, every step to solve the given problem (demonstrates good clarity in understanding the problem statement). Correctness of logic in algorithm is taken care off. **[2 marks]** | | Algorithms are written as pseudo codes, but lacks clarity in identifying different independent steps, to solve the given problem (demonstrates less clarity in understanding the problem statement). Correctness of logic in algorithm is taken care off. **[1 mark]** | |
| Assembly language code | 5 | Completeness of code, well commented and formatted (inclusion of labels, mnemonics, op codes), exhibits proficiency in using different types of addressing modes, flag registers, efficient use of instruction set towards code optimization, utilizes efficient repetitive and decision control structures using flags. **[5 marks]** | Completeness of code, inconsistent comments and formatting (inclusion of labels, mnemonics, op codes), demonstrates lesser proficiency in identifying and utilizing different addressing modes, flag registers and instruction set towards code optimization **[3 marks]** | | In Complete code, unformatted, lacks comments,  Demonstrates no proficiency in identifying different addressing modes, flag registers, uses instruction set without the objective of completing the code and towards code optimization  **[1 mark]** |
| Output and Validation of Code | 3 | Program is free of errors and output is obtained for different cases of input. Demonstrates excellent understanding of the concepts relevant to the experiment. **[3 marks]** | Program is free of errors and output is obtained only for some subsets of input. Demonstrates good understanding of the concepts relevant to the experiment. **[2 marks]** | | Program contains few logical errors and no output is obtained. Demonstrates partial understanding of the concepts relevant to the experiment. **[1 mark]** |