**COMPUTER ENGINEERING DEPARTMENT**

**ASSIGNMENT NO-01**

**SUB: SPCC**

**COURSE: T.E. Year: 2020-2021 Semester: VI**

**DEPT: Computer Engineering**

**SUBJECT CODE: CSC602 SUBMISSION DATE: 10/04/2021**

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| **Name: Amey Thakur** | **Roll No.: 50** |
| **Class: TE Comps B-50** | **ID: TU3F1819127** |

**Assignment No 1**

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| **Sr. No.** | **Question** |
| 1 | Differentiate between the application program and system program.  Indicate the order in which the following system programs are used from developing program up to their execution.  Assembler, loader, linker, macro processor, compiler, editor. |
| 2 | What is System Programming?  List some system programs and write their functions. |
| 3 | Explain the different error recovery techniques? |
| 4 | For the given grammar construct the operator precedence relation matrix  E🡪E+T/T  T🡪T\*V/V  V🡪a/b/c/d  Apply operator precedence parsing algorithm for statement a+b\*c\*d. |
| 5 | Explain the Different Code Optimization techniques for the compiler? |
| 6 | Draw and explain DAG and represent the following example with it.  (a / b) + (a / b) \* (c \* d) |

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