

**FCS-06**

**MSc (SECOND SEMESTER) EXAMINATION, 2021**

**COMPUTER SCIENCE**

**PAPER: MCS-201**

**SYSTEM SOFTWARE**

**MAX MARKS:**

**Note: Attempt all the questions.**

- Q 1. Write down the compilation and execution procedure of a simple lexer and parser.
- Q 2. What is regular expression? Explain all the character that form regular expression.
- Q 3. What is nested macro? Write down the procedure for recursive expansion.
- Q 4. Write short notes on the following:
- i. Grammar
  - ii. Multi-pass assembler
  - iii. Overlay program
  - iv. Conditional macro expansion