

**Dr. Shyama Prasad Mukherjee University, Ranchi**

**Master of Computer Applications, Semester - IV**

**Assignment Questions**

**Subject - Compiler Design**

**Paper - 23**

1. What is a Compiler? Explain different phases of a compilation process.
2. A) What is Bootstrapping? Explain with the help of T- Diagram.  
B) Explain the difference between compiler and interpreter.
3. Write algorithm for FIRST and FOLLOW. Explain with the help of an example.
4. Write short notes on :
  - a) YACC
  - b) EBNF
  - c) Role of a parser