**Data Structure**

**&**

**Algorithm**

**Class IX**

**Lab Tutorial 8**

d.

1. Convert the following values to binary using “divide by 2.” Show the stack of remainders.

* 1. 17
  2. 45
  3. 96

2. Convert the following infix expressions to prefix (use full parentheses):

* 1. (A+B)\*(C+D)\*(E+F)
  2. A+((B+C)\*(D+E))
  3. A\*B\*C\*D+E+F