

**Course Code: CSE 429**  
**Marks: 20**

**Course name: Compiler Design**

**Quiz: 4**  
**Time: 30 minutes**

1. Construct the 20
- a) Canonical LR and
  - b) LALR sets of items for the context-Free Grammar (CFG)  
$$X \rightarrow XX+|XX^*|a$$
  - c) State which one is more efficient and why?